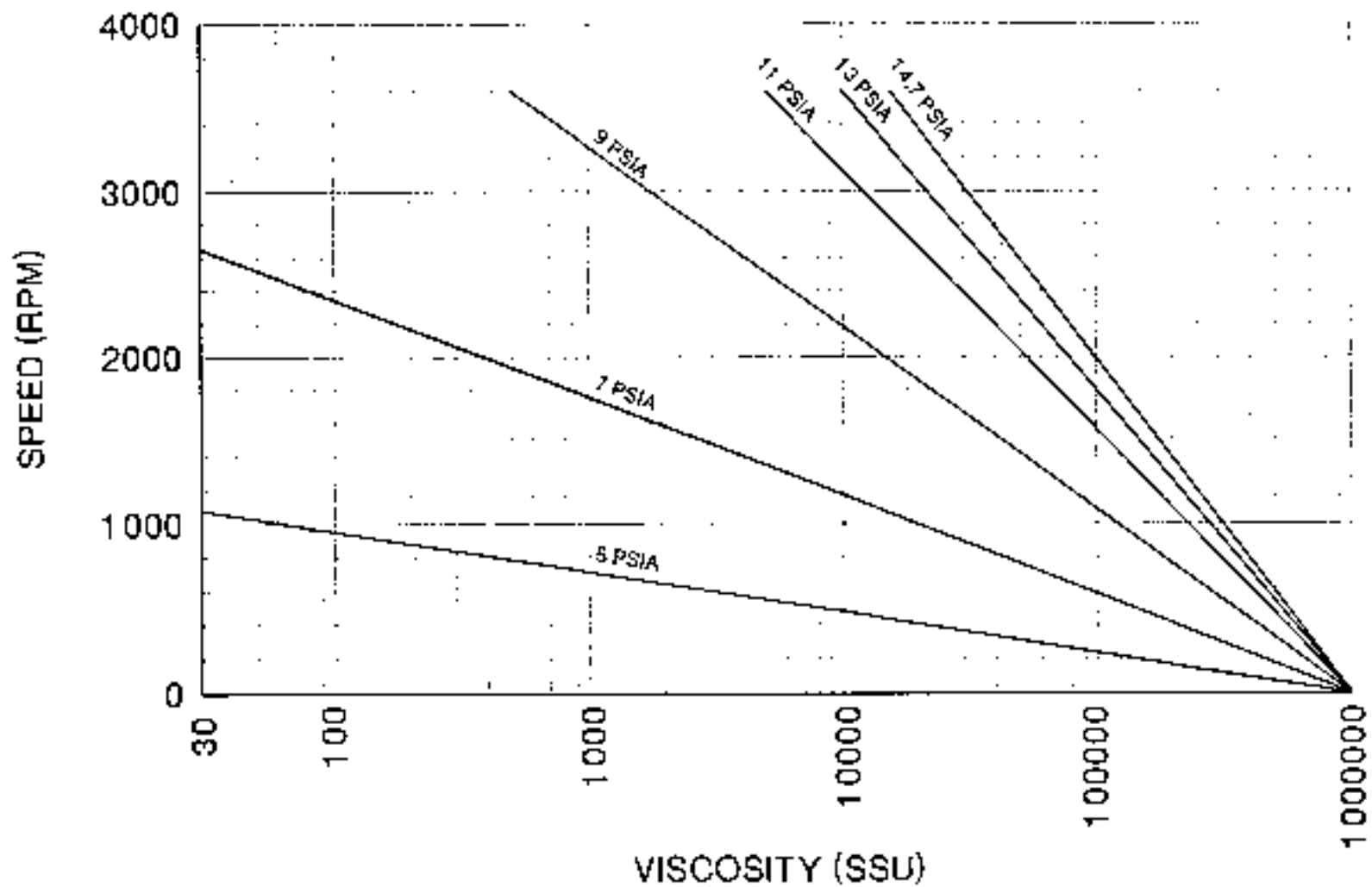
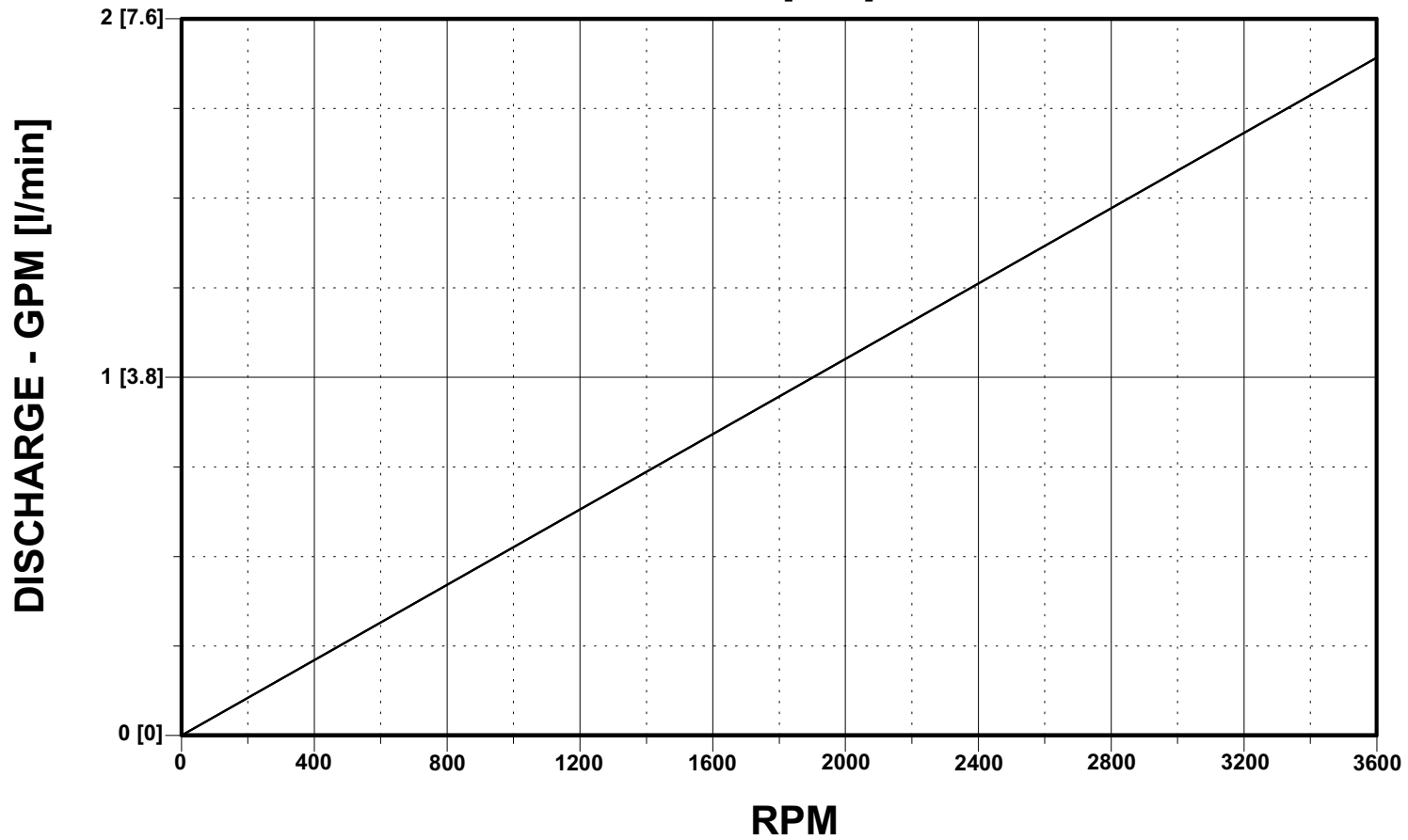


AM 005 - AP 03  
REQUIRED NET INLET PRESSURE



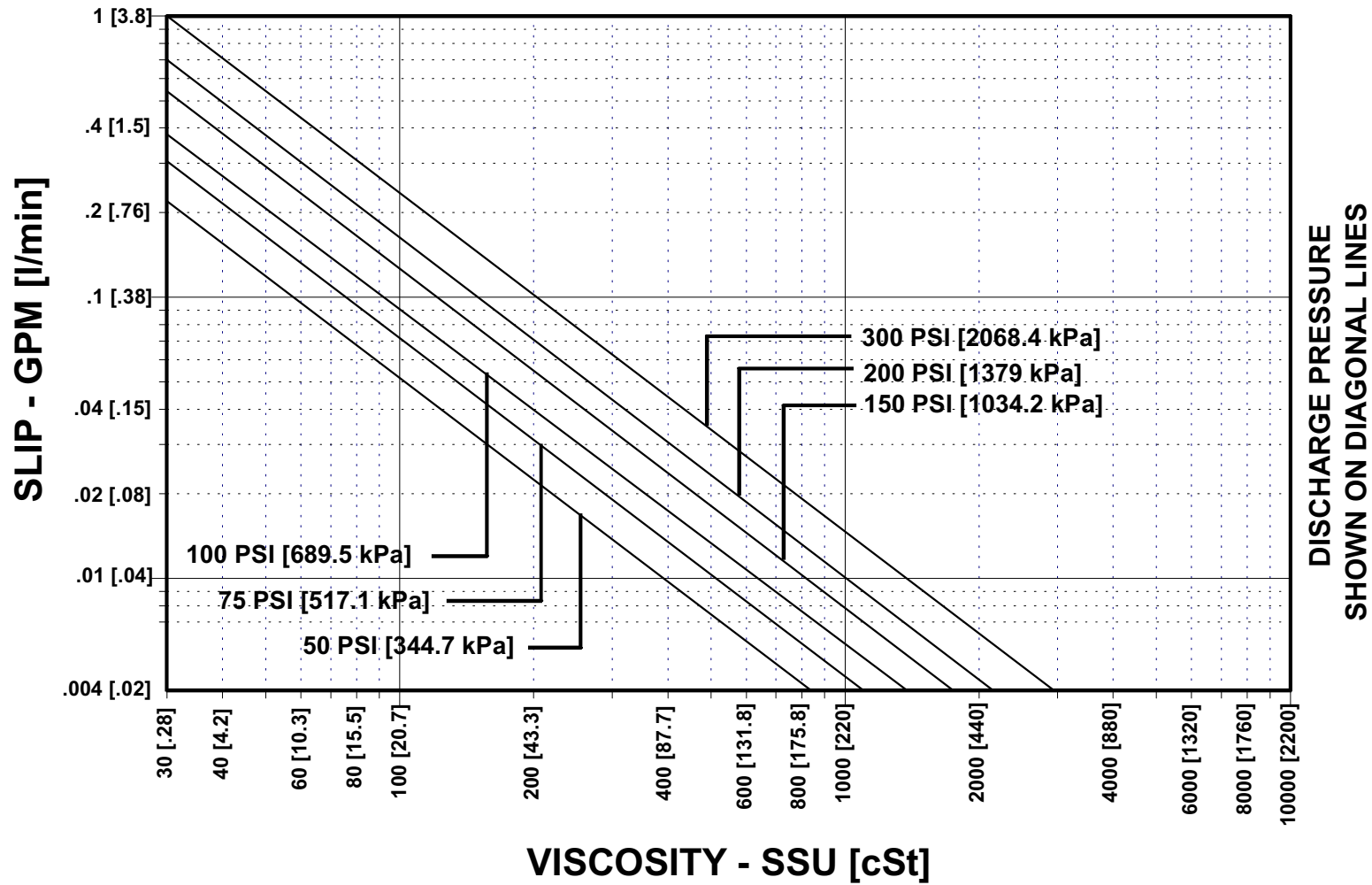
**SERIES: A005**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2



# SERIES: A005 GRAPH 2 SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

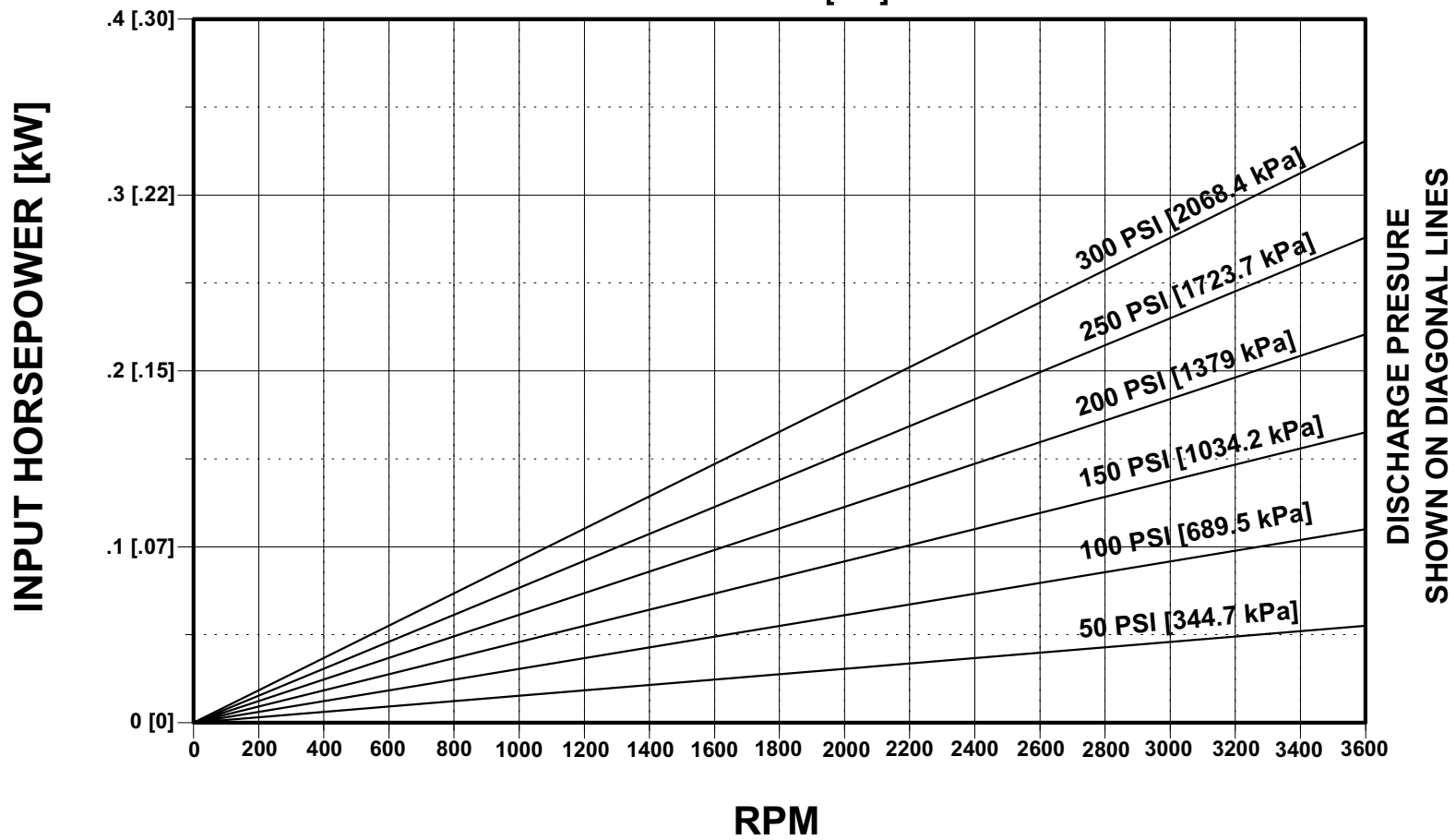


# SERIES: A005

## GRAPH 3

### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

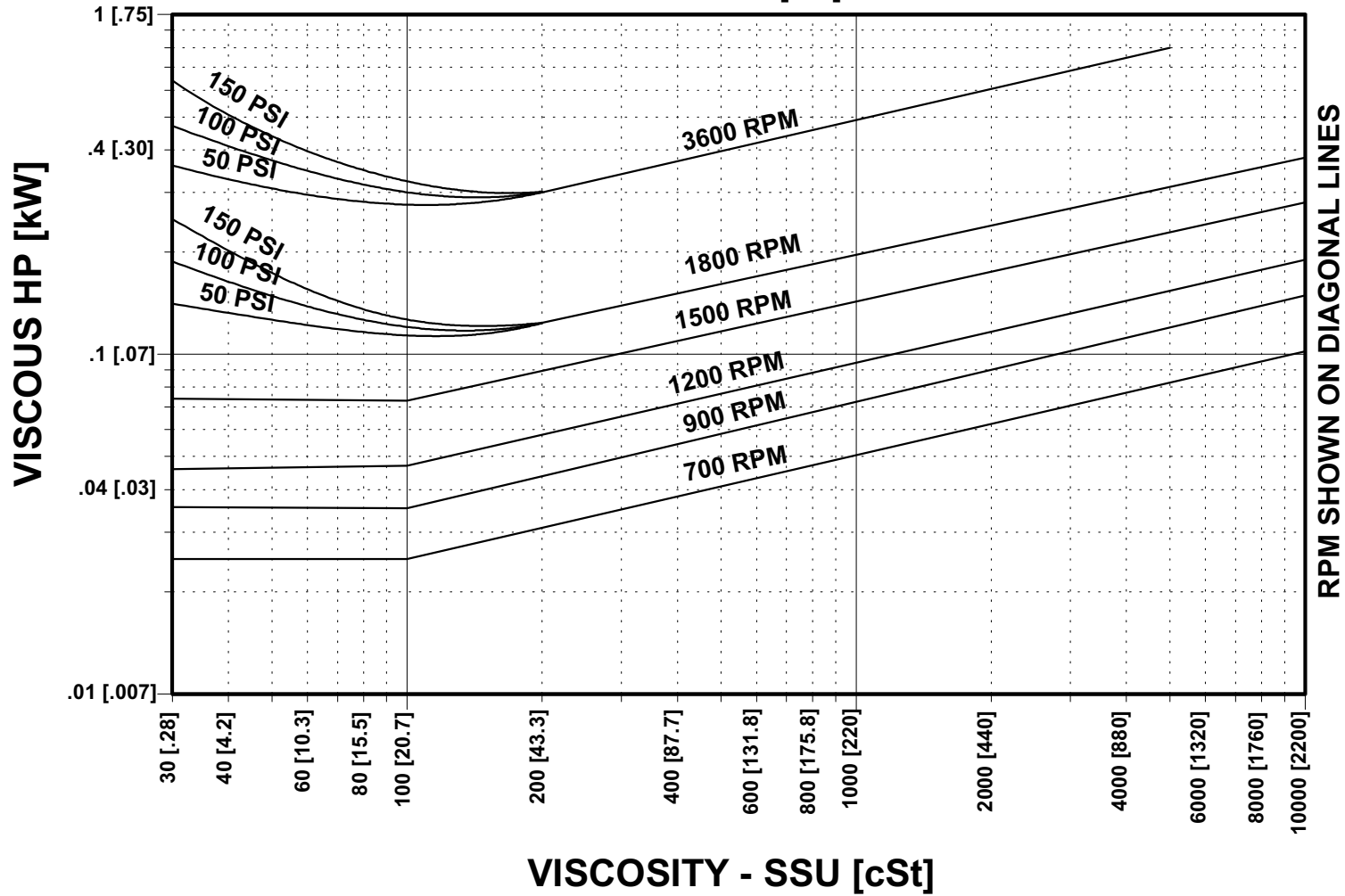


# SERIES: A005

## GRAPH 4

### VISCIOUS HORSEPOWER

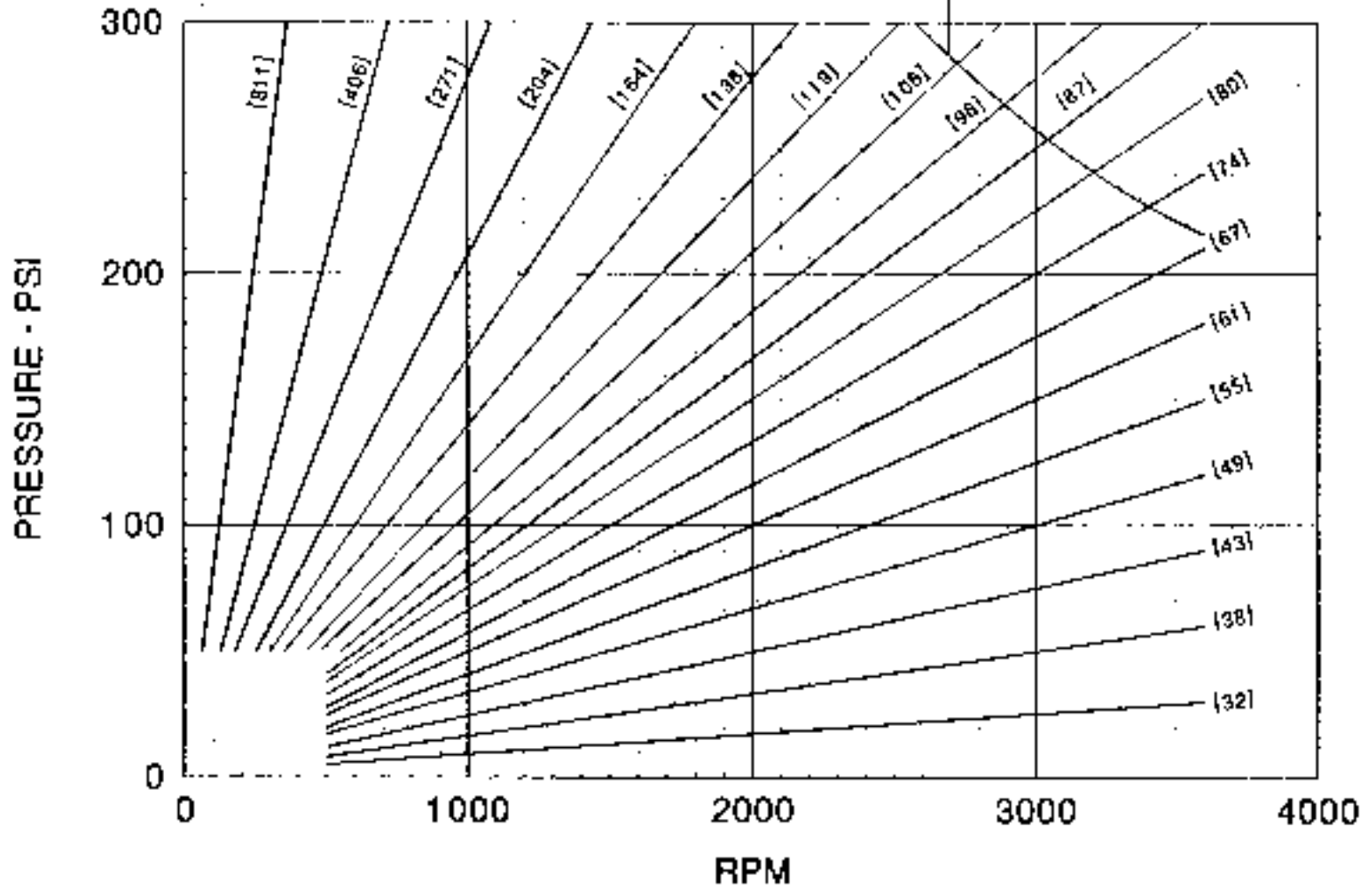
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# A005 (BRONZE BEARINGS)

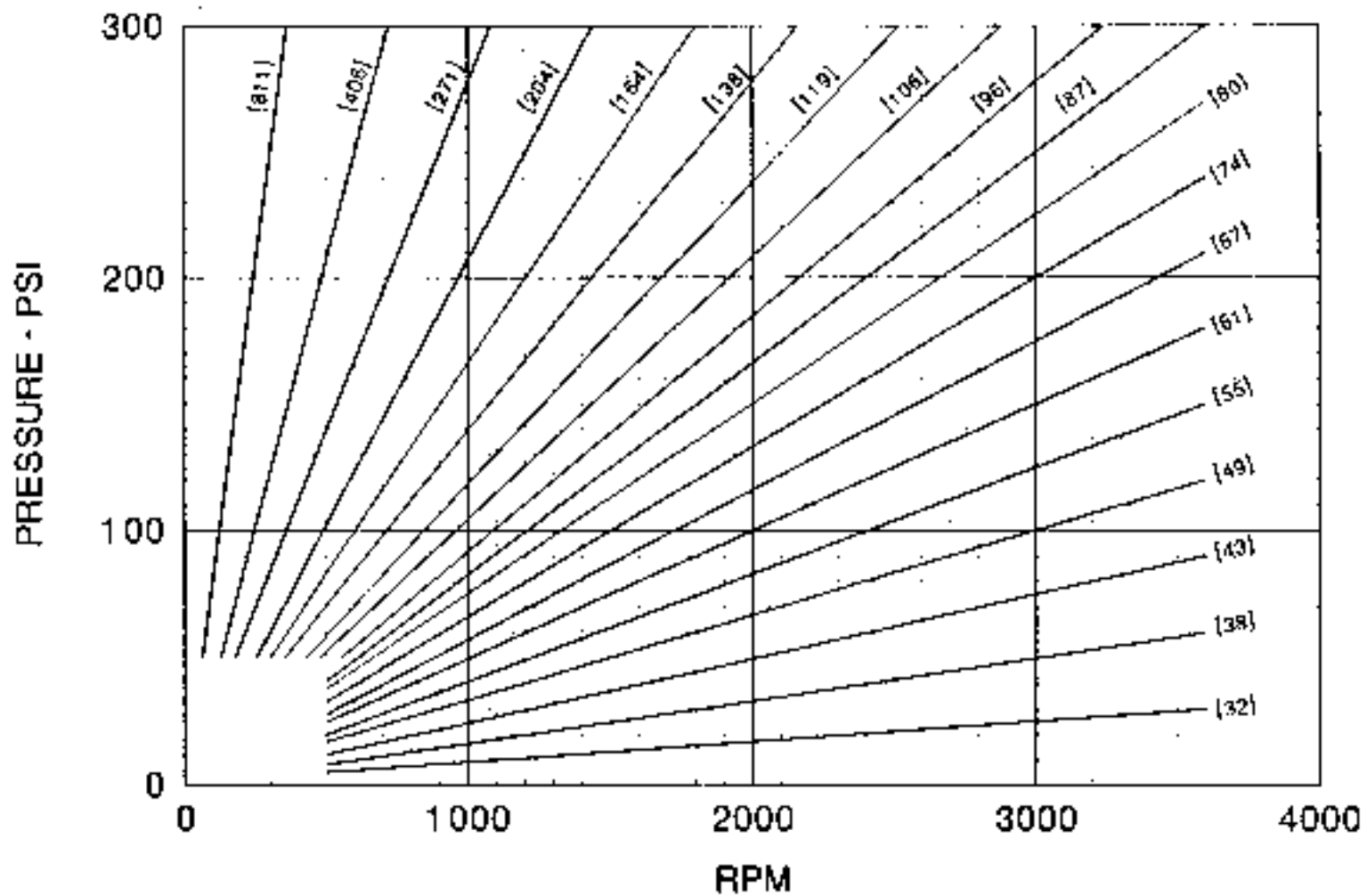
[55U]

PV LIMIT CURVE

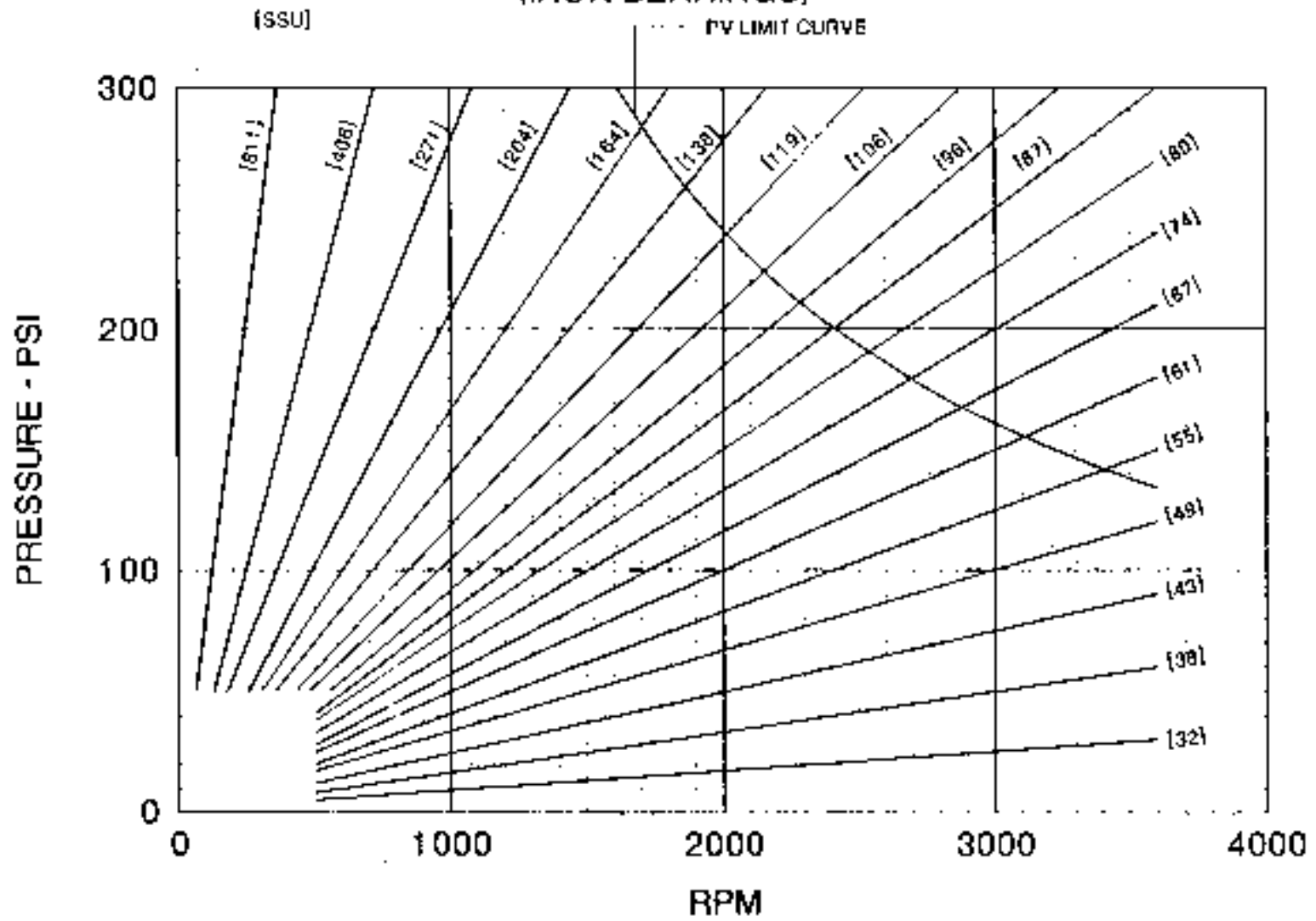


# A005 (CARBON BEARINGS)

[SSU]



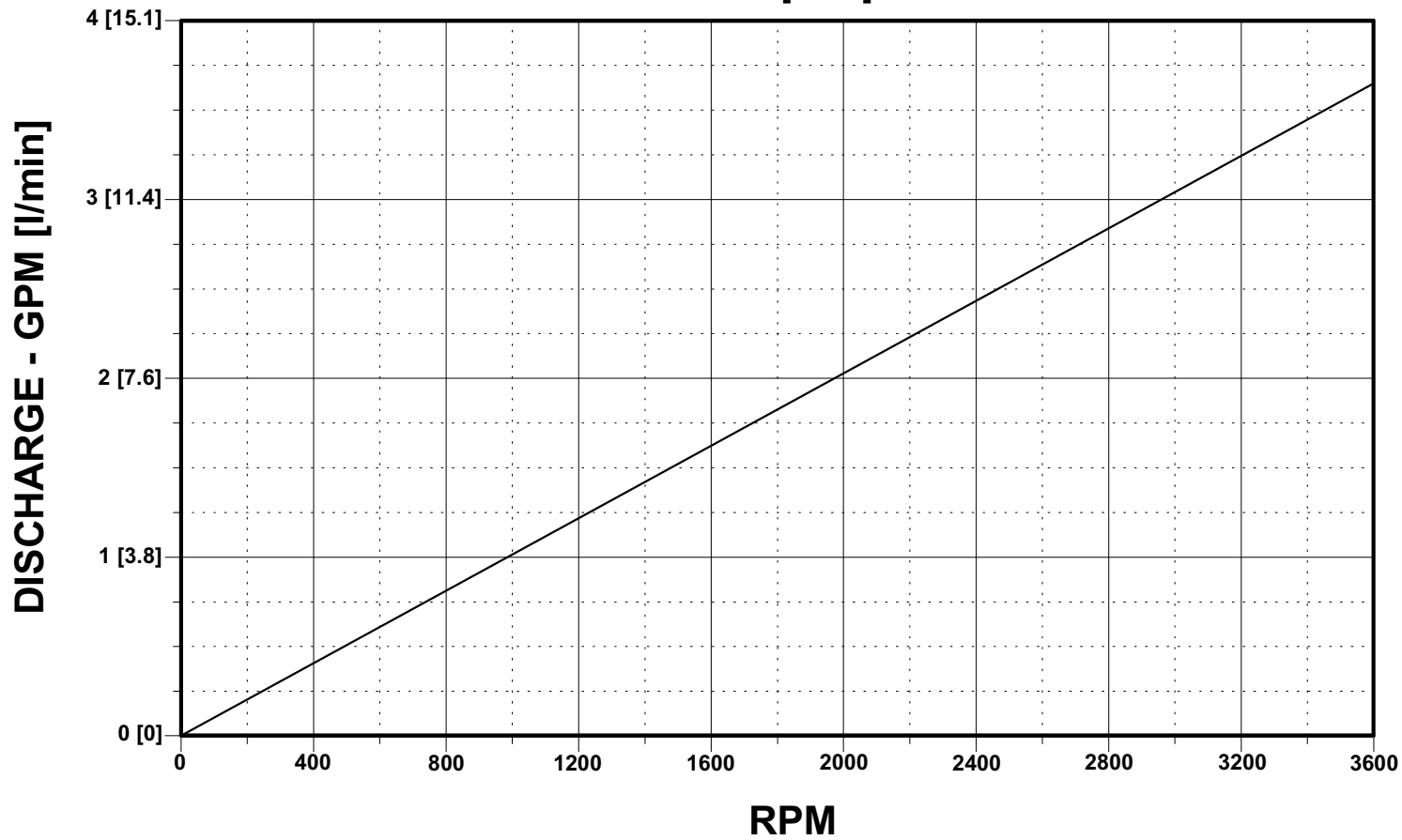
# A005 (IRON BEARINGS)





**SERIES: A01**  
**GRAPH 1**  
**THEORETICAL GPM**

**ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2**

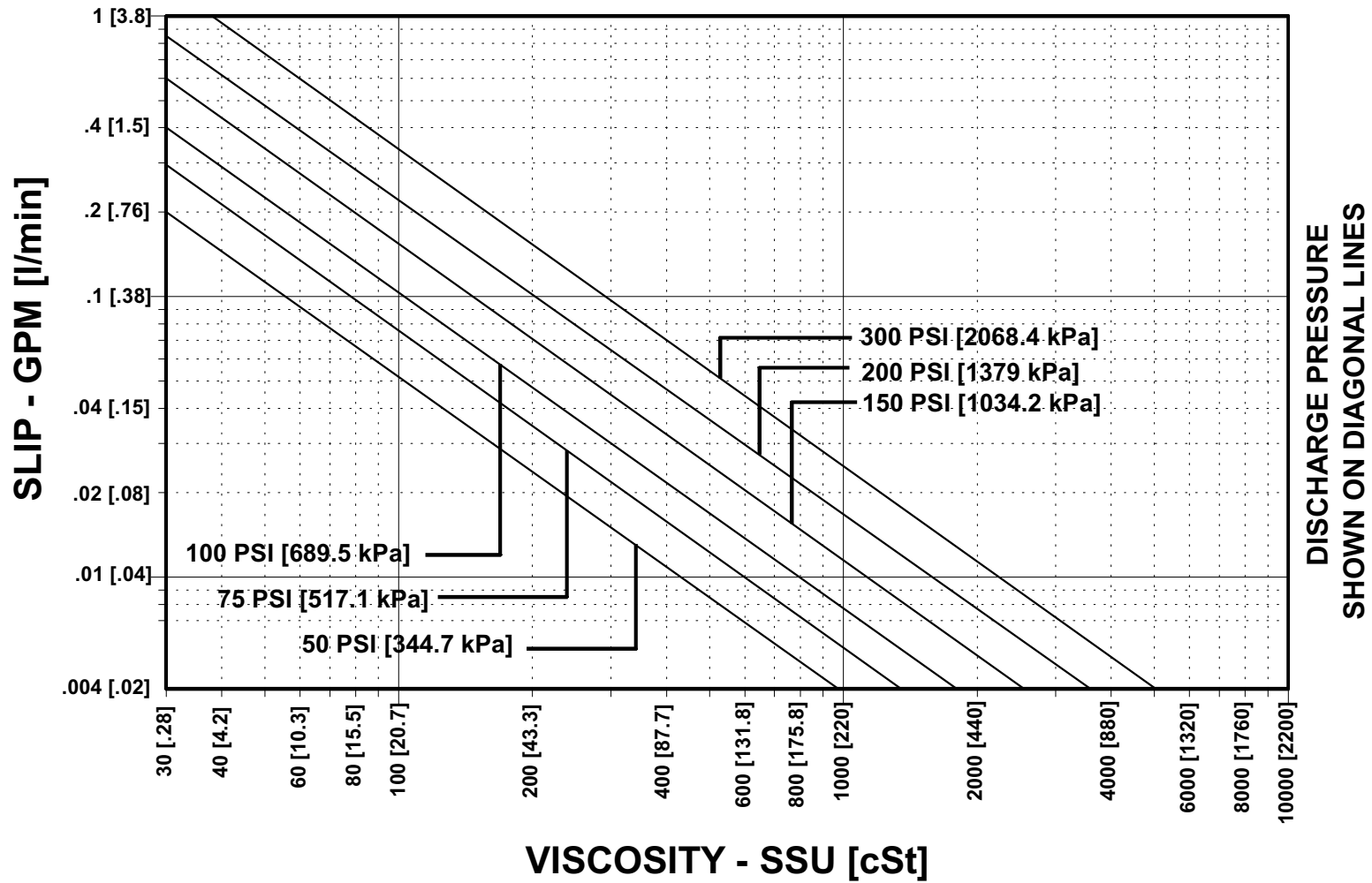


# SERIES: A01

## GRAPH 2

### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

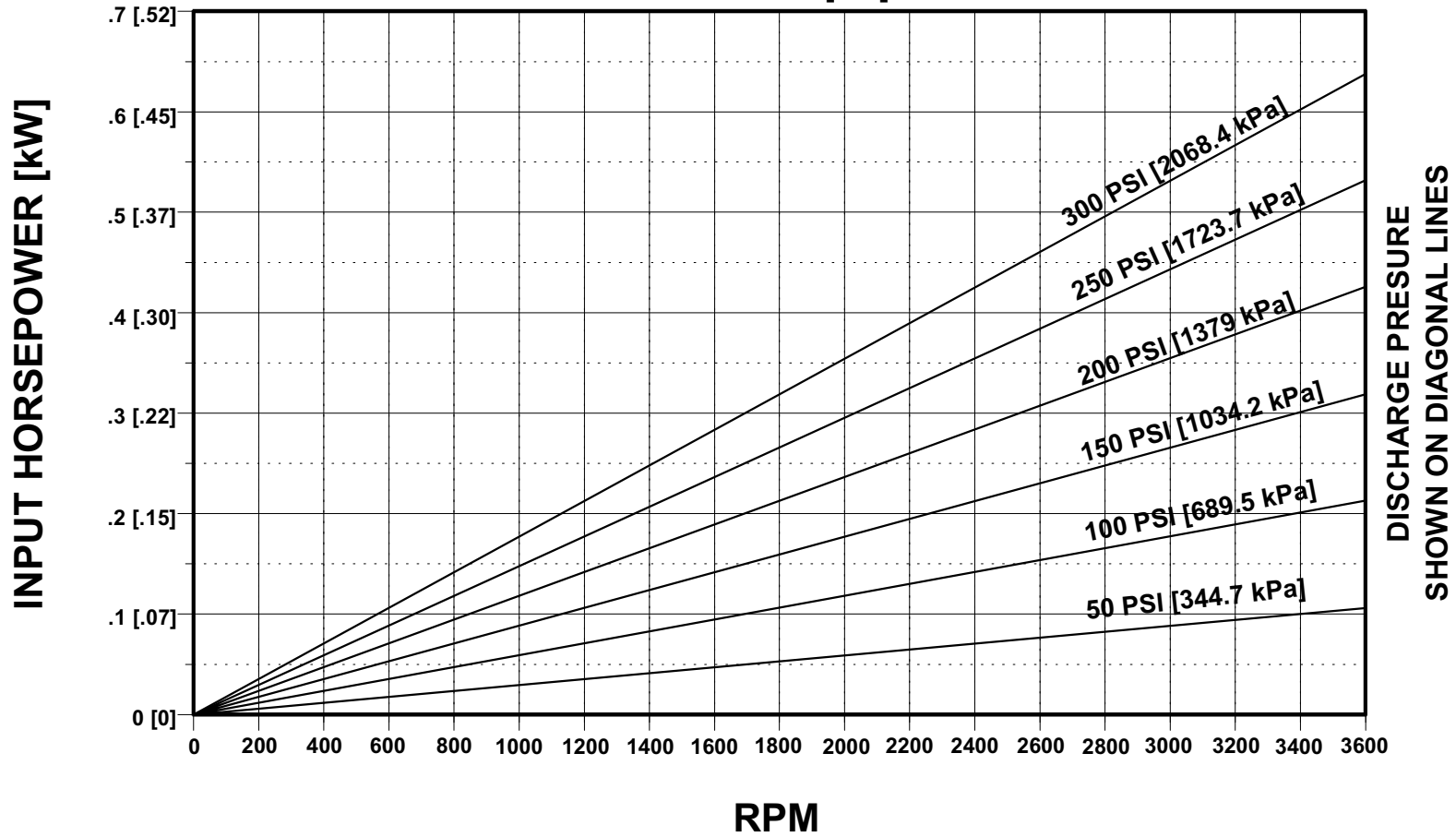


# SERIES: A01

## GRAPH 3

### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

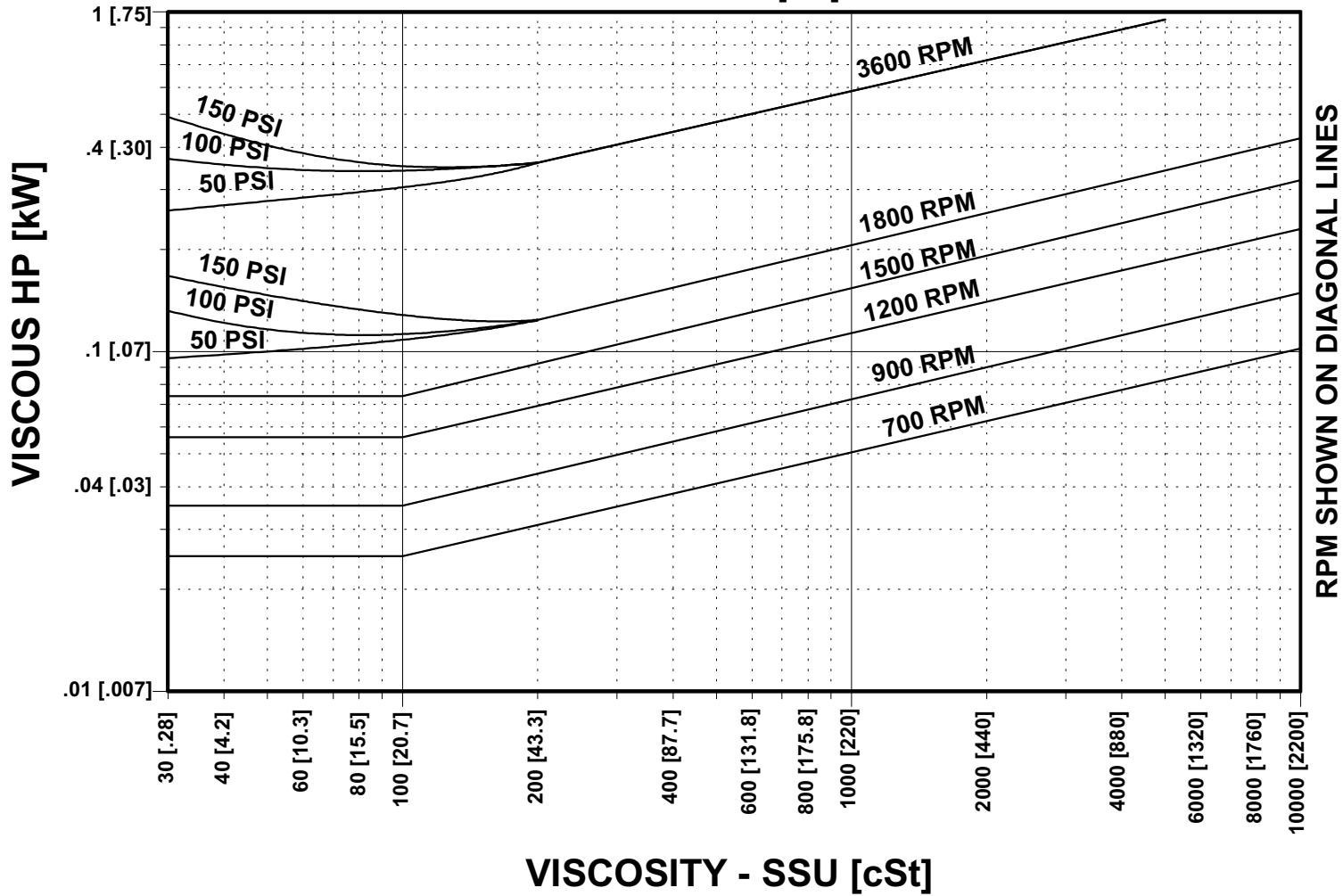


# SERIES: A01

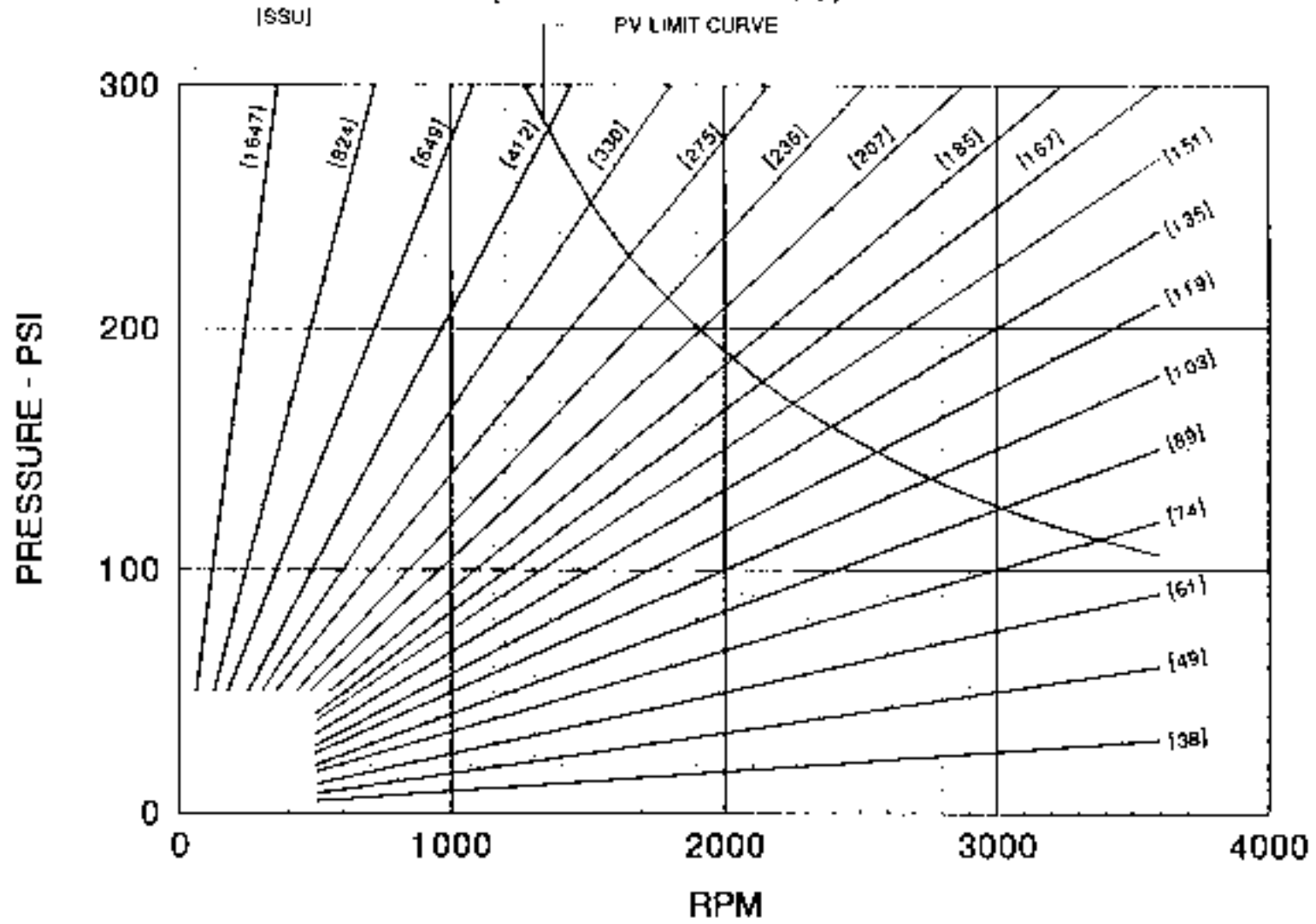
## GRAPH 4

### VISCOUS HORSEPOWER

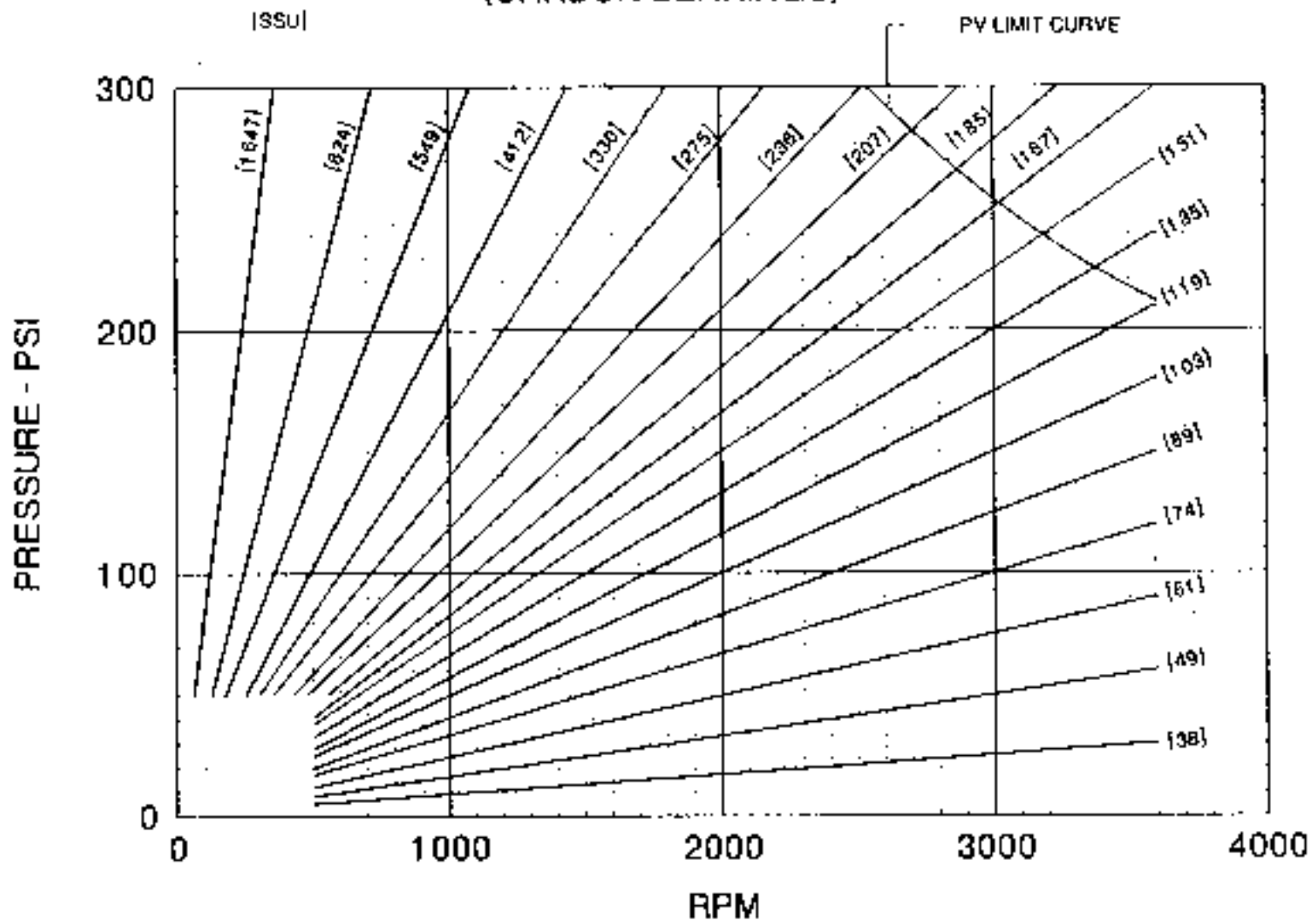
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# A01 (BRONZE BEARINGS)



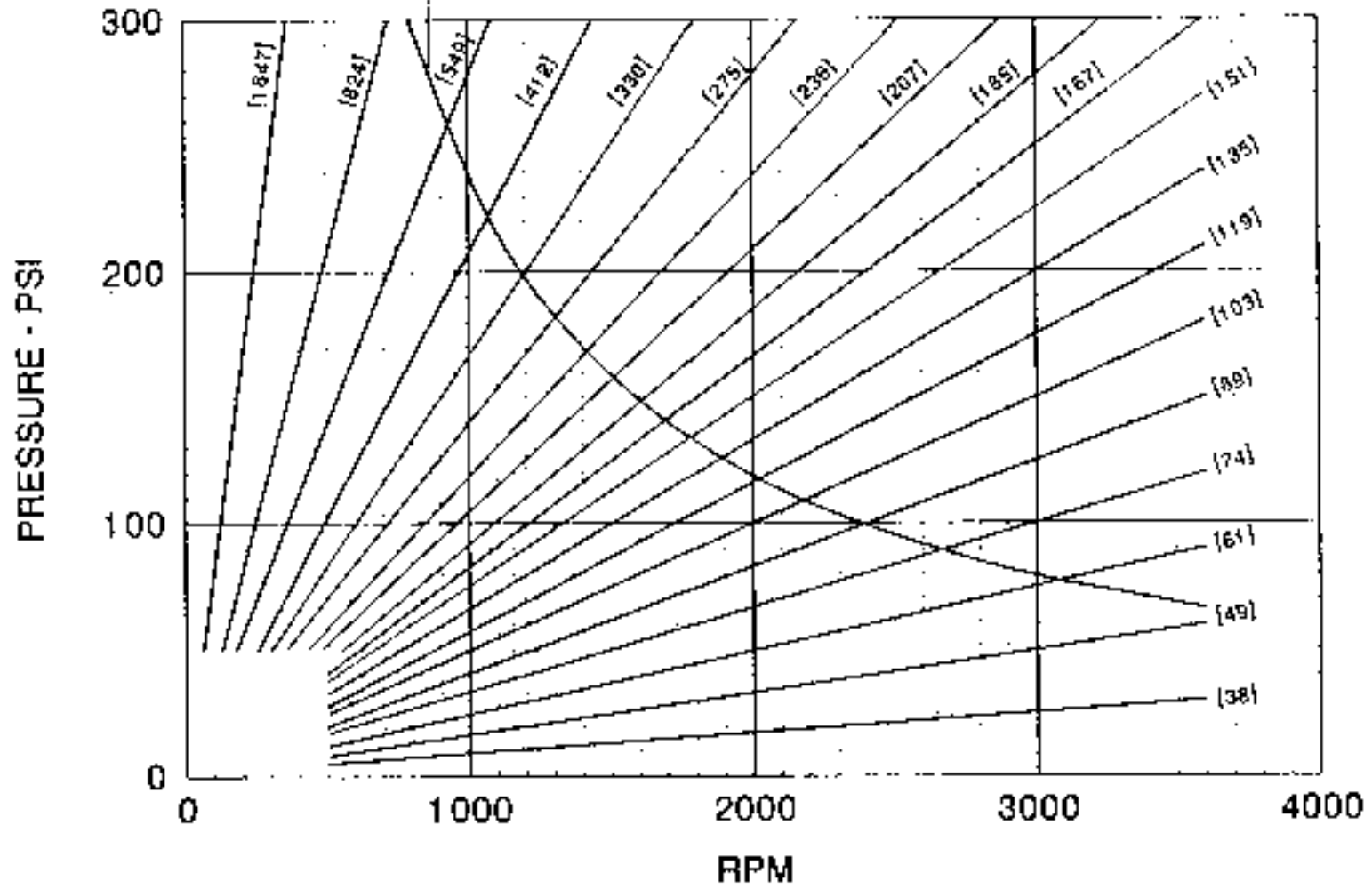
# A01 (CARBON BEARINGS)



# A01 (IRON BEARINGS)

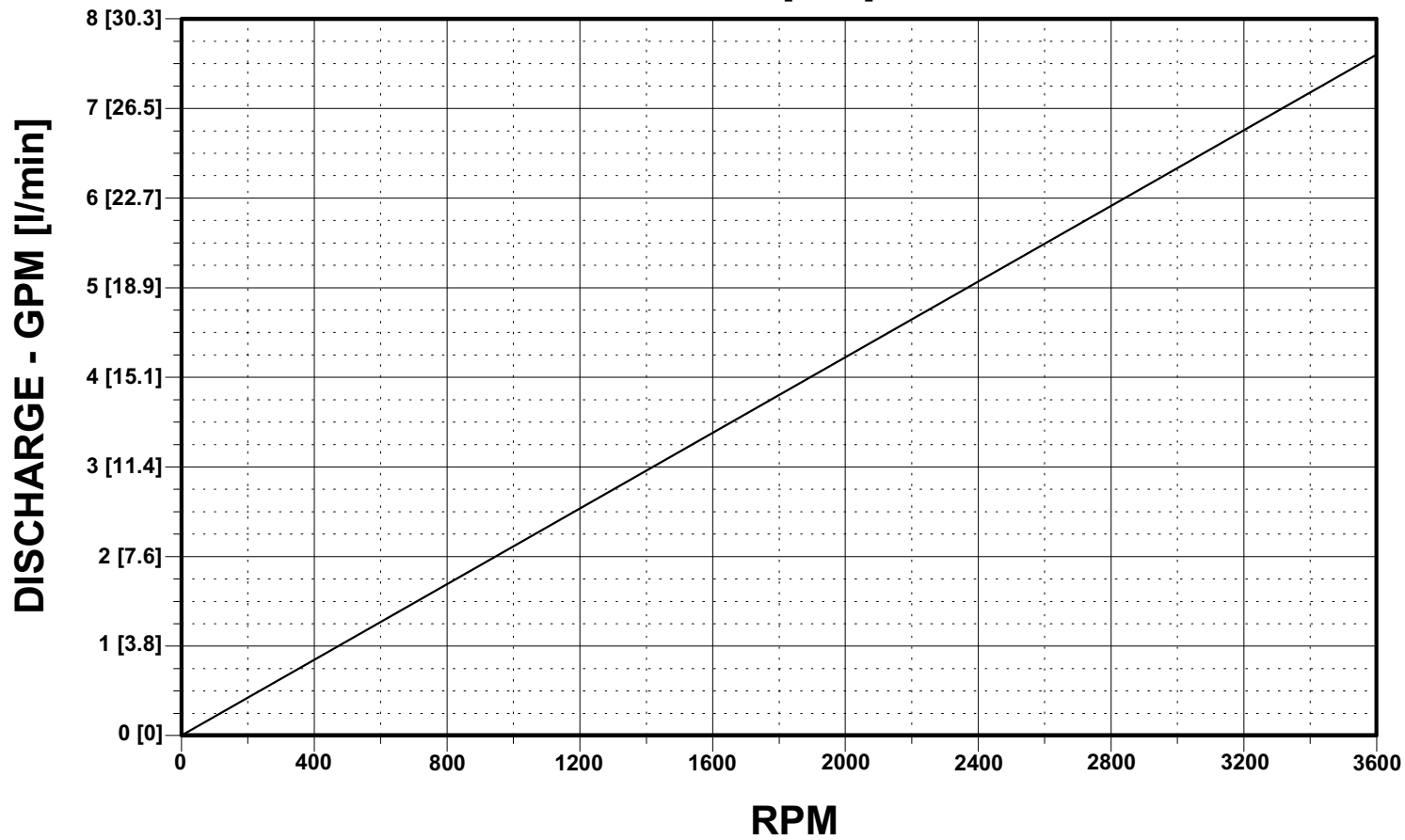
ISSUJ

PV LIMIT CURVE



**SERIES: A02**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2



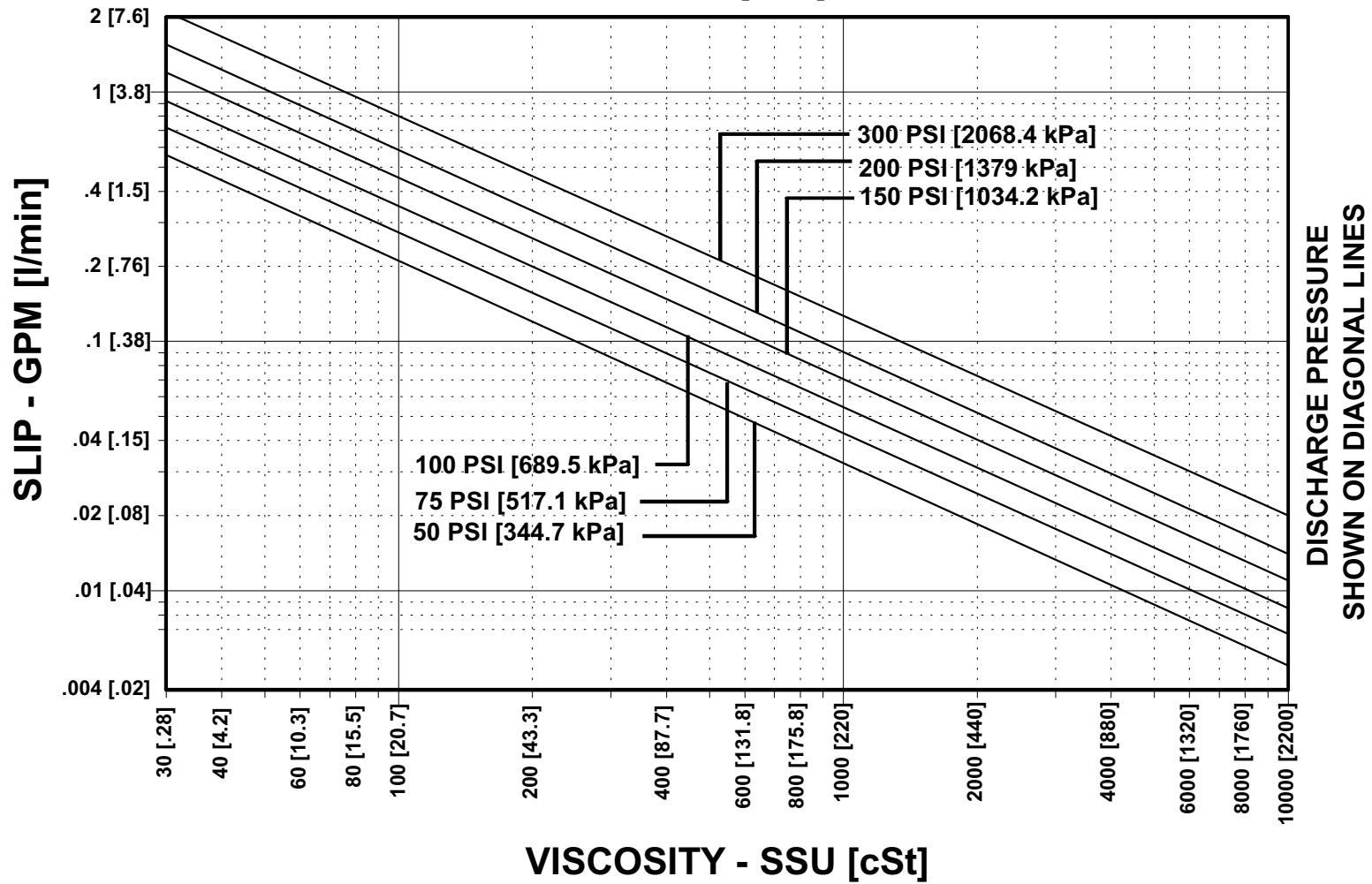


# SERIES: A02

## GRAPH 2

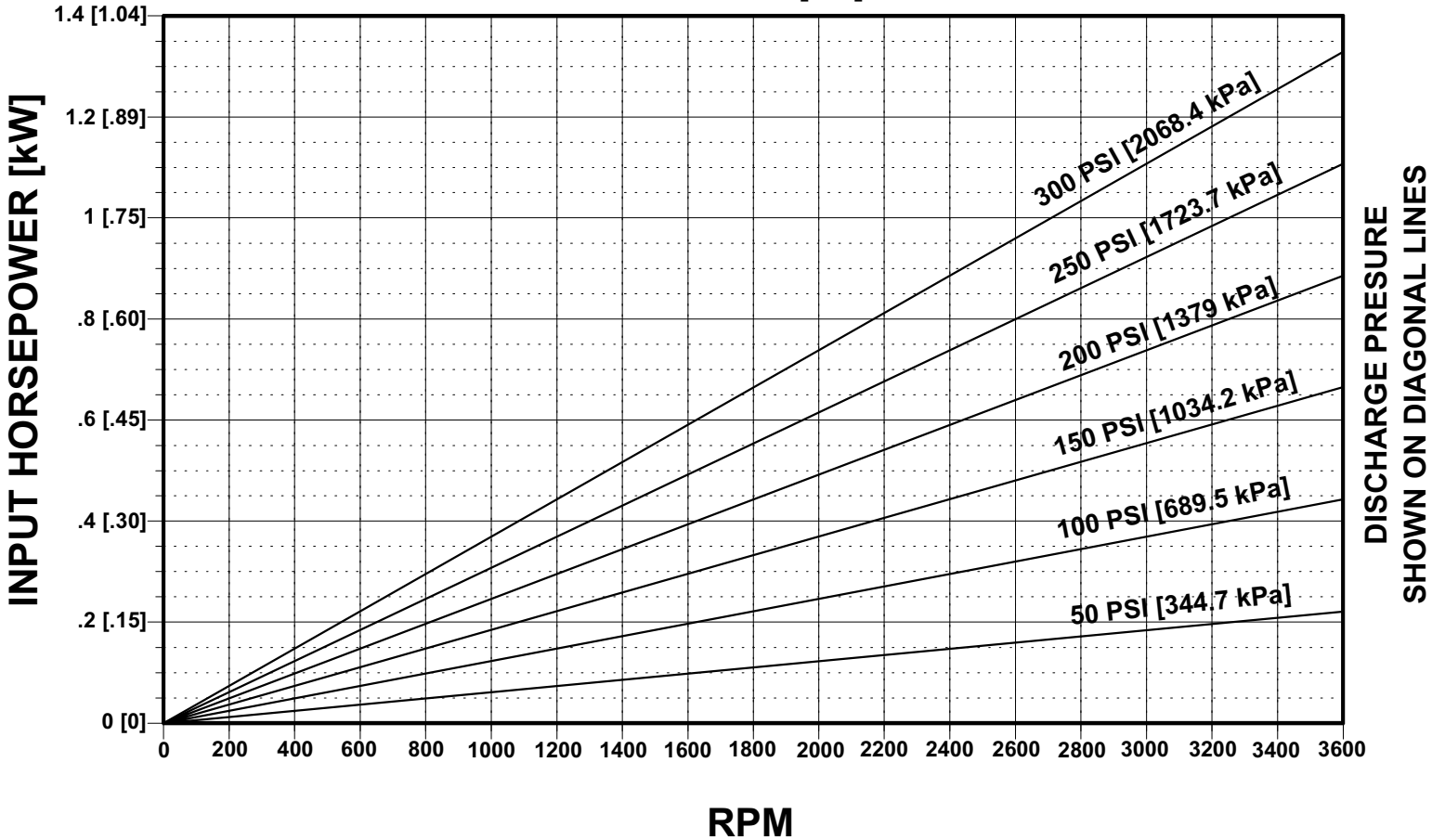
### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2



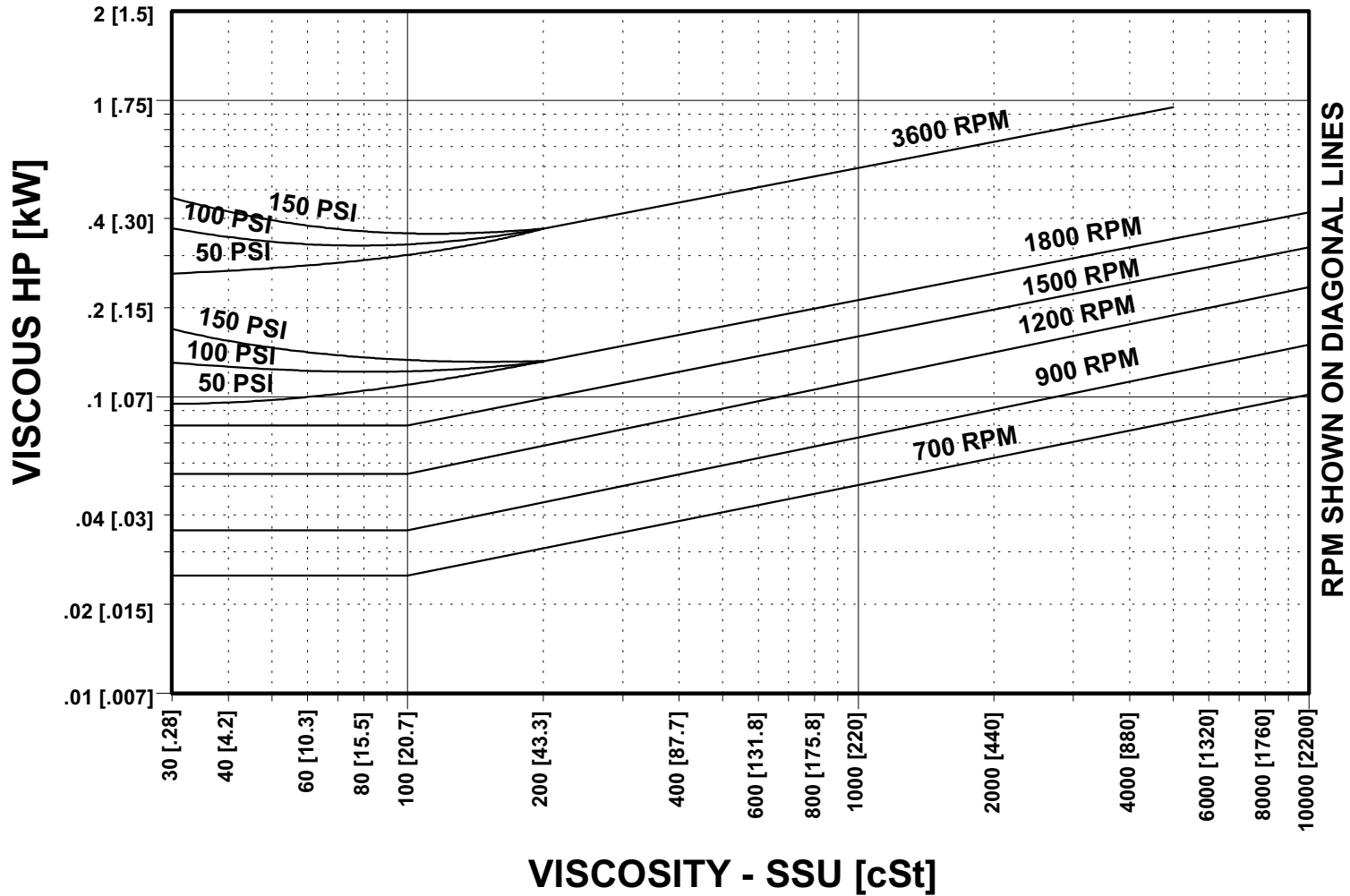
**SERIES: A02**  
**GRAPH 3**  
**INPUT HORSEPOWER**

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# SERIES: A02 GRAPH 4 VISCIOUS HORSEPOWER

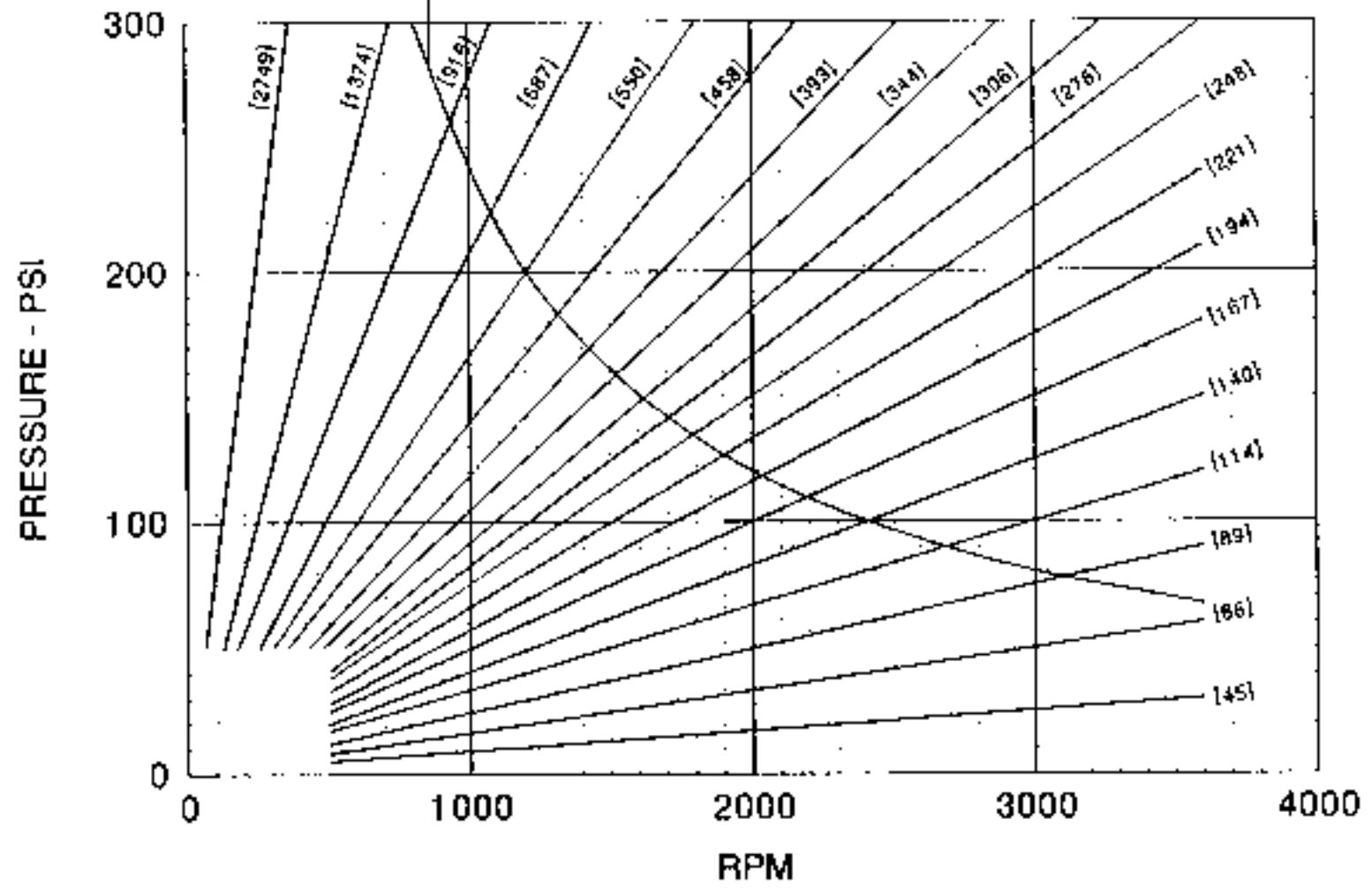
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



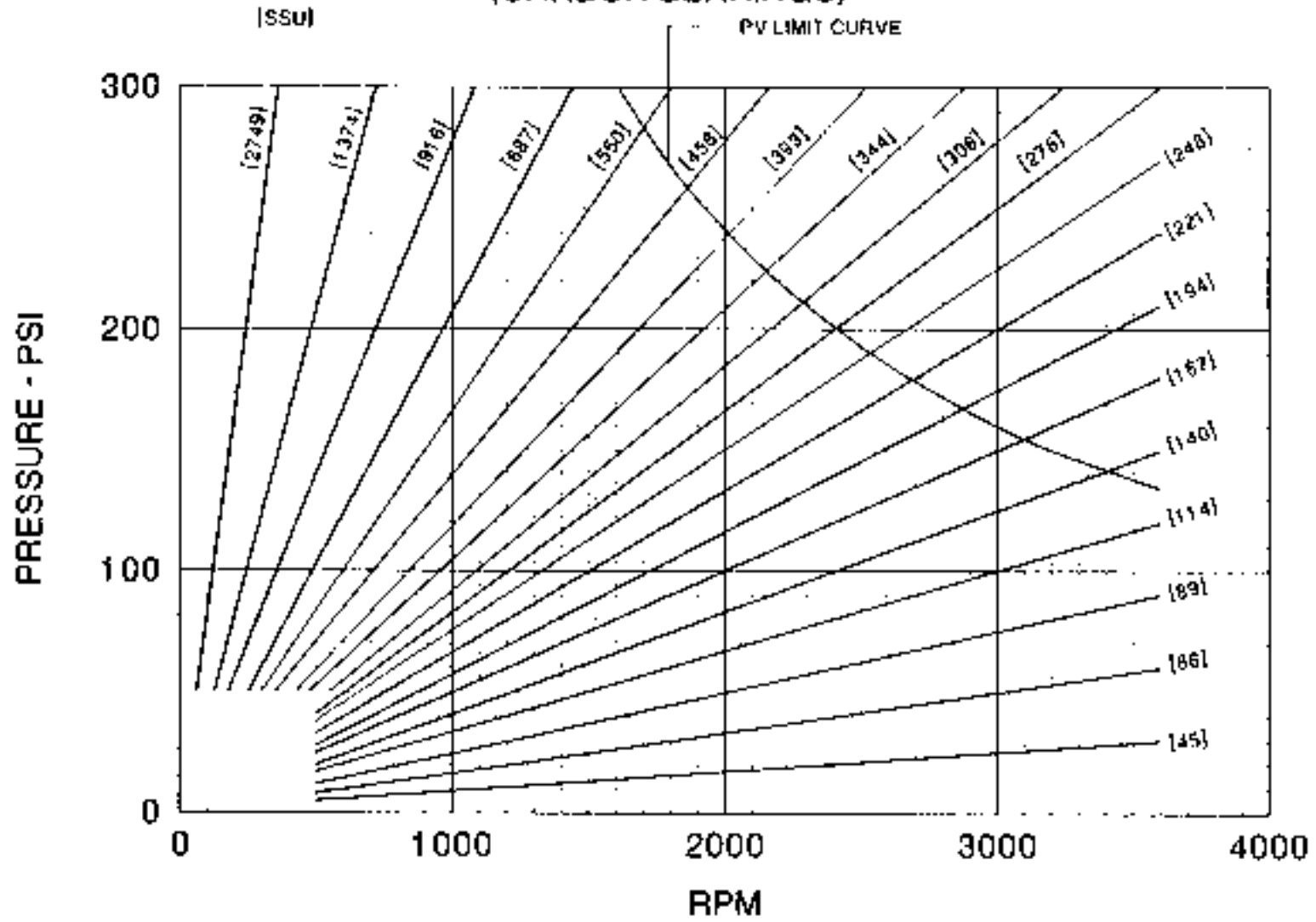
# A02 (BRONZE BEARINGS)

[SSU]

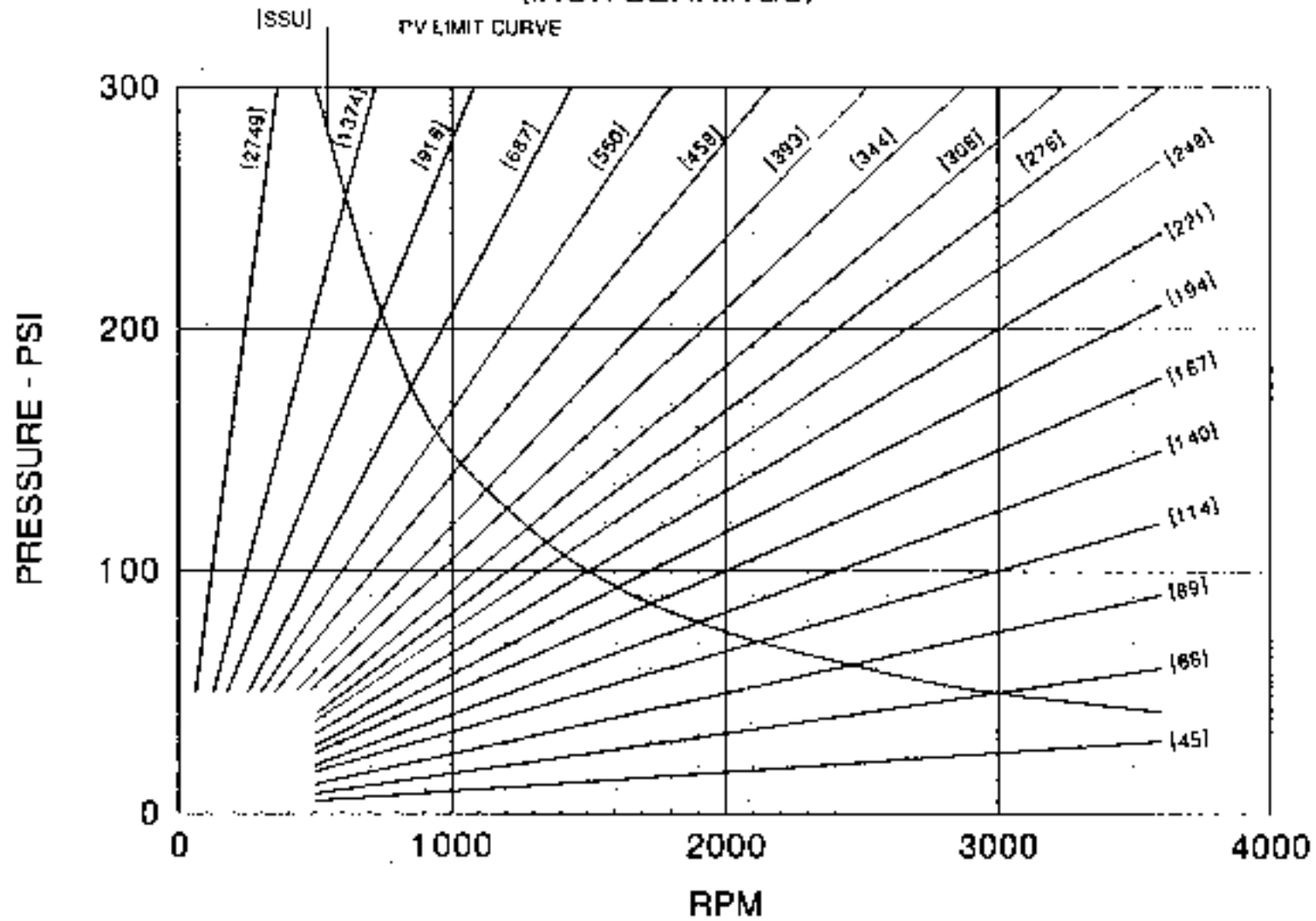
PV LIMIT CURVE



# A02 (CARBON BEARINGS)

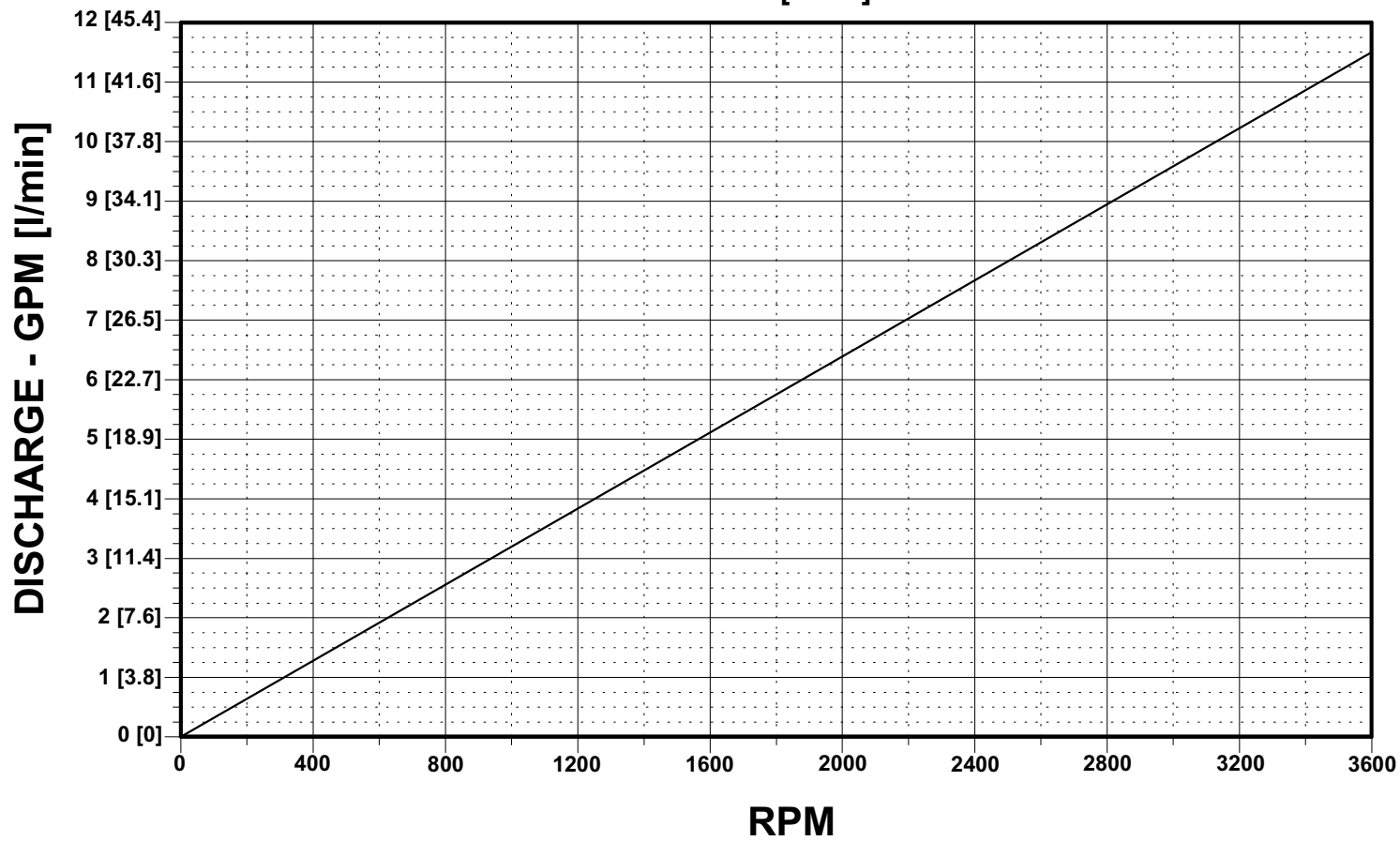


# A02 (IRON BEARINGS)



**SERIES: A03**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

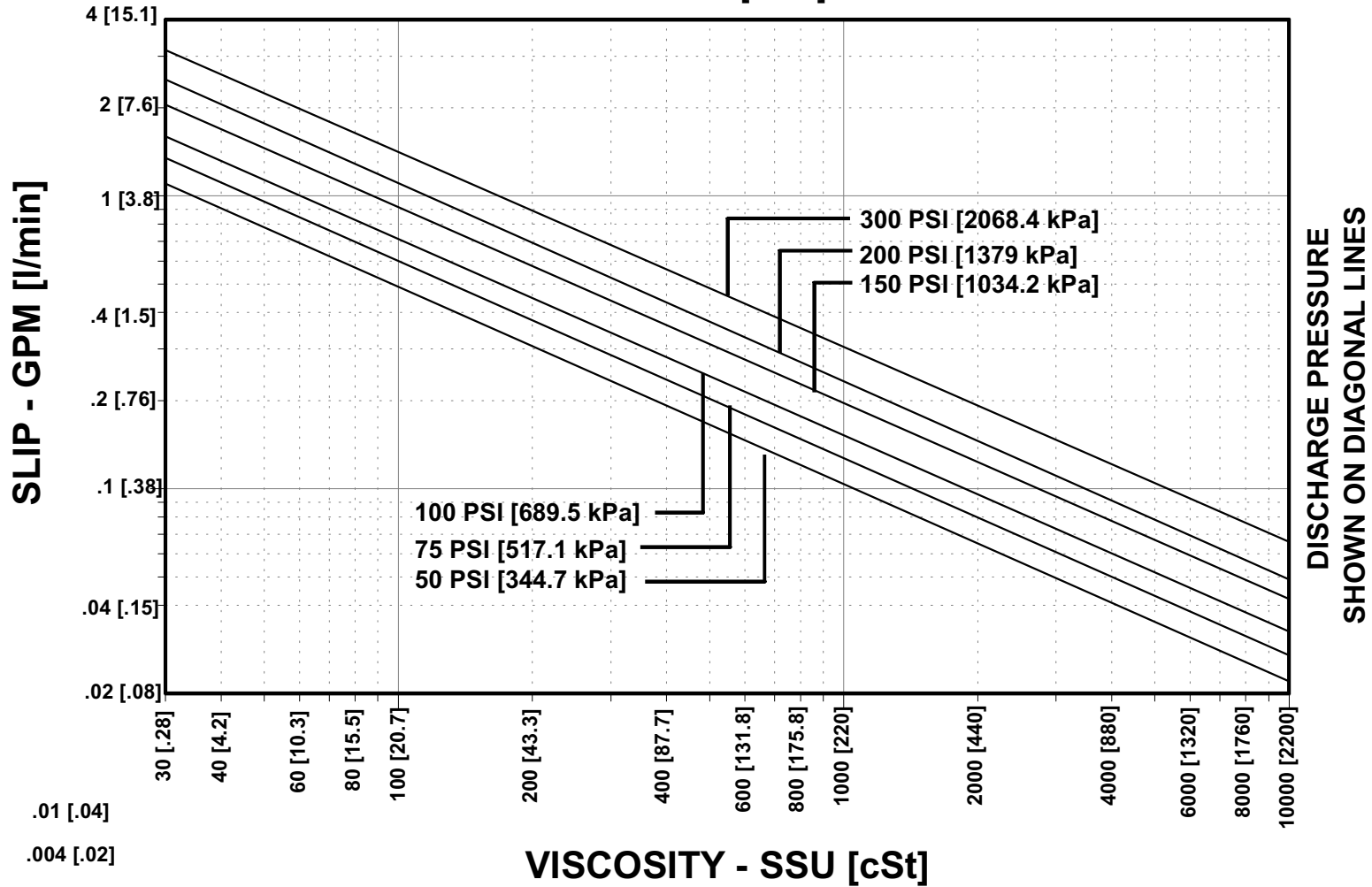


# SERIES: A03

## GRAPH 2

### SLIP

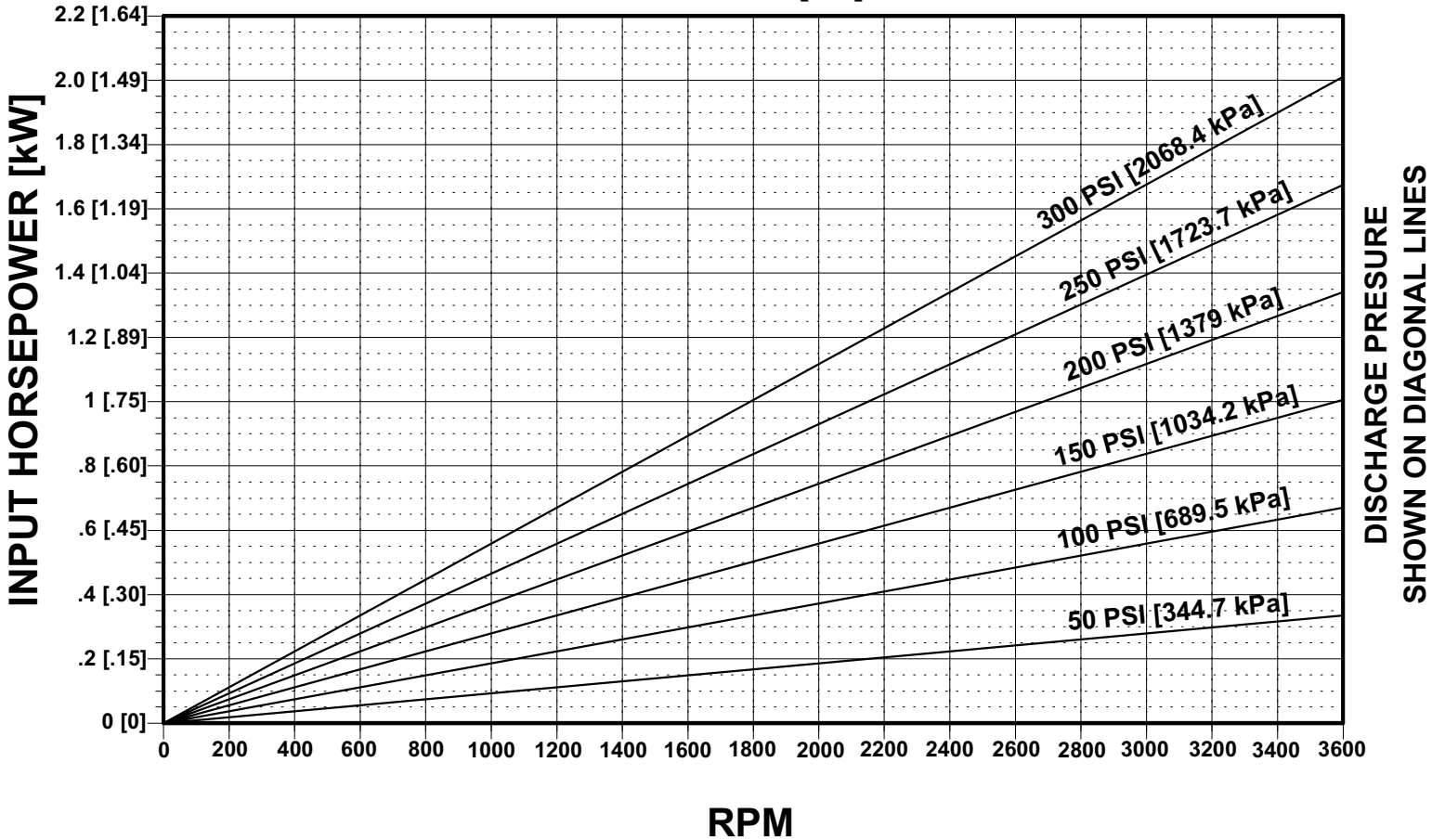
ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2





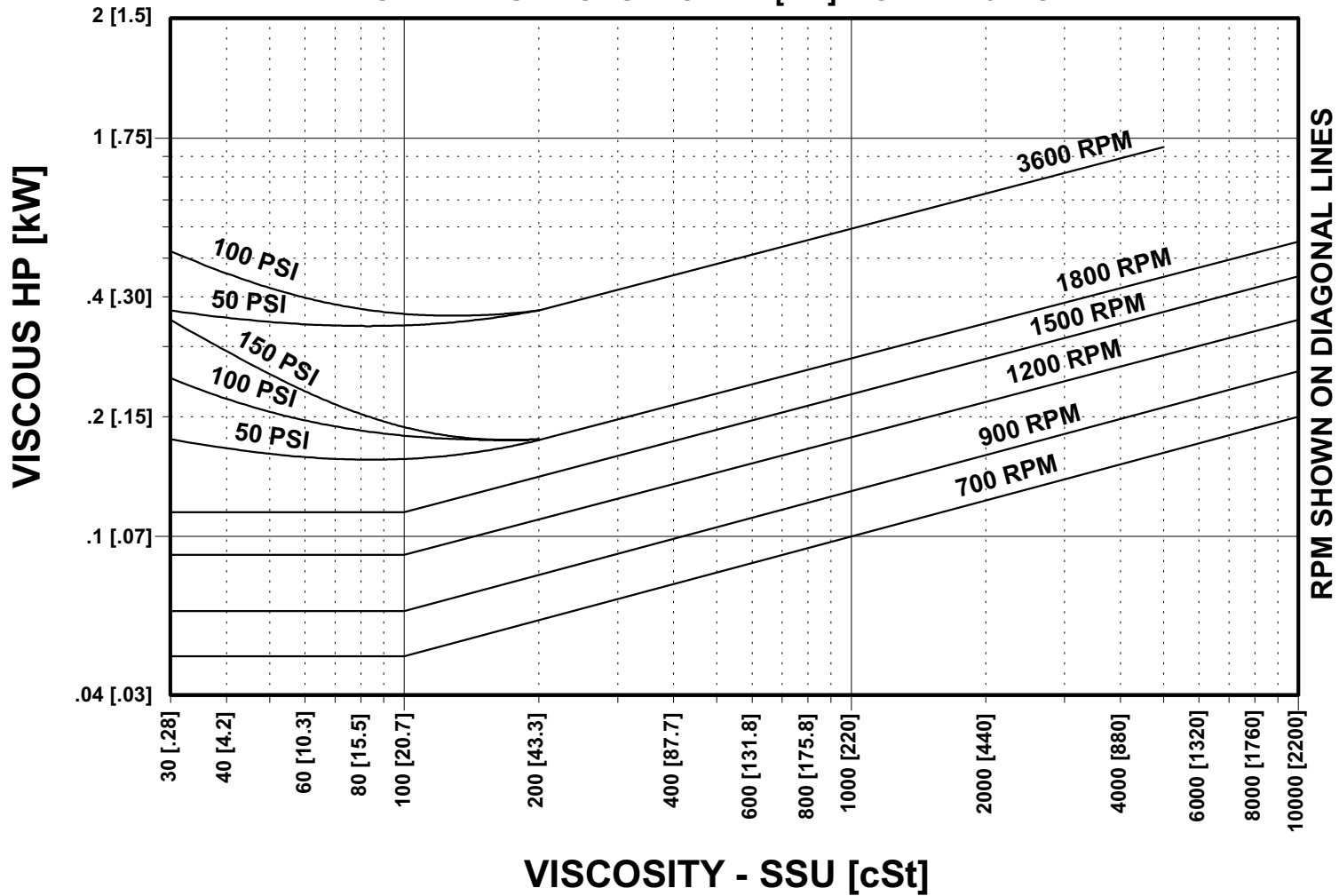
**SERIES: A03**  
**GRAPH 3**  
**INPUT HORSEPOWER**

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

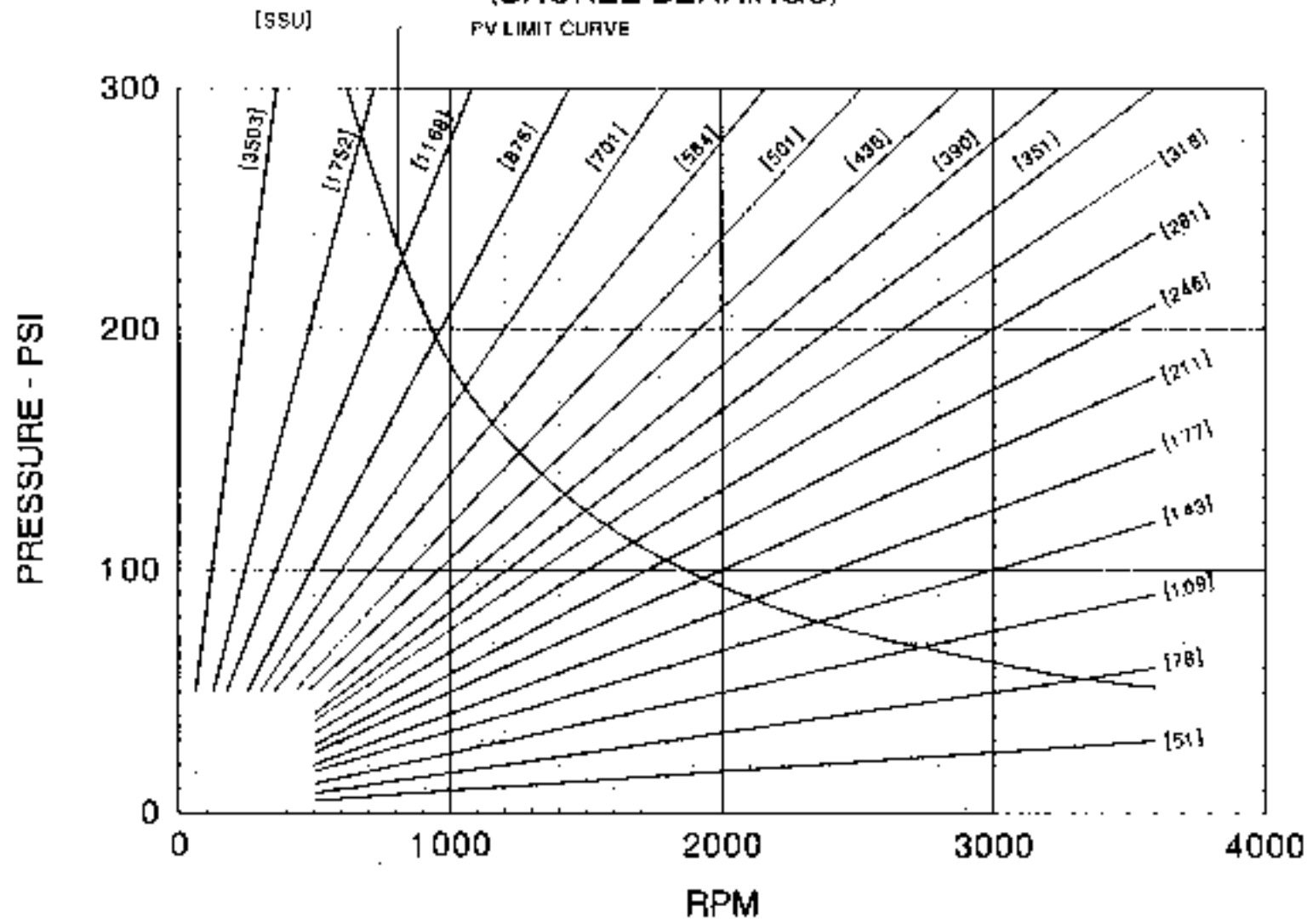


# SERIES: A03 GRAPH 4 VISCIOUS HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



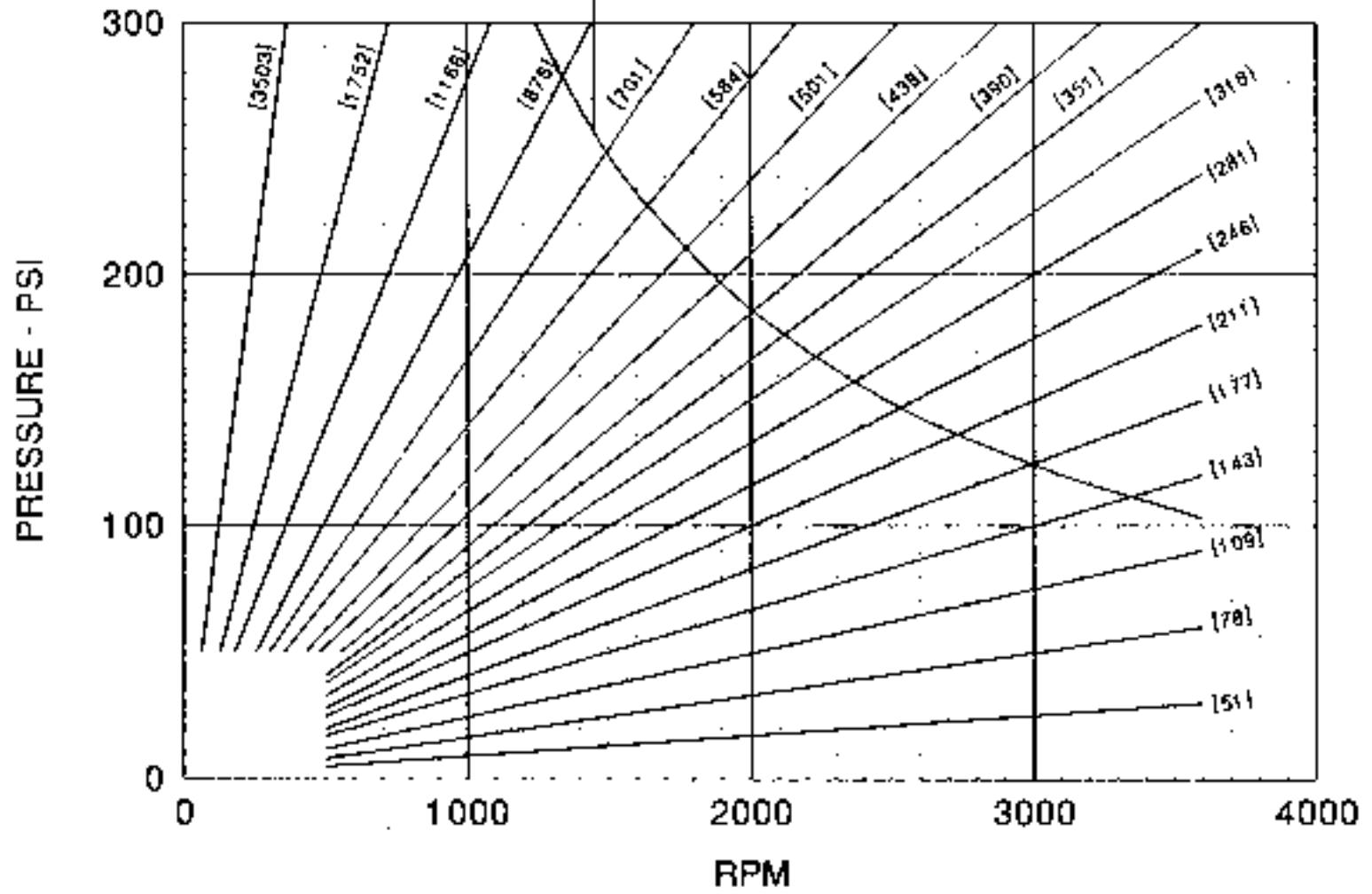
# A03 (BRONZE BEARINGS)



# A03 (CARBON BEARINGS)

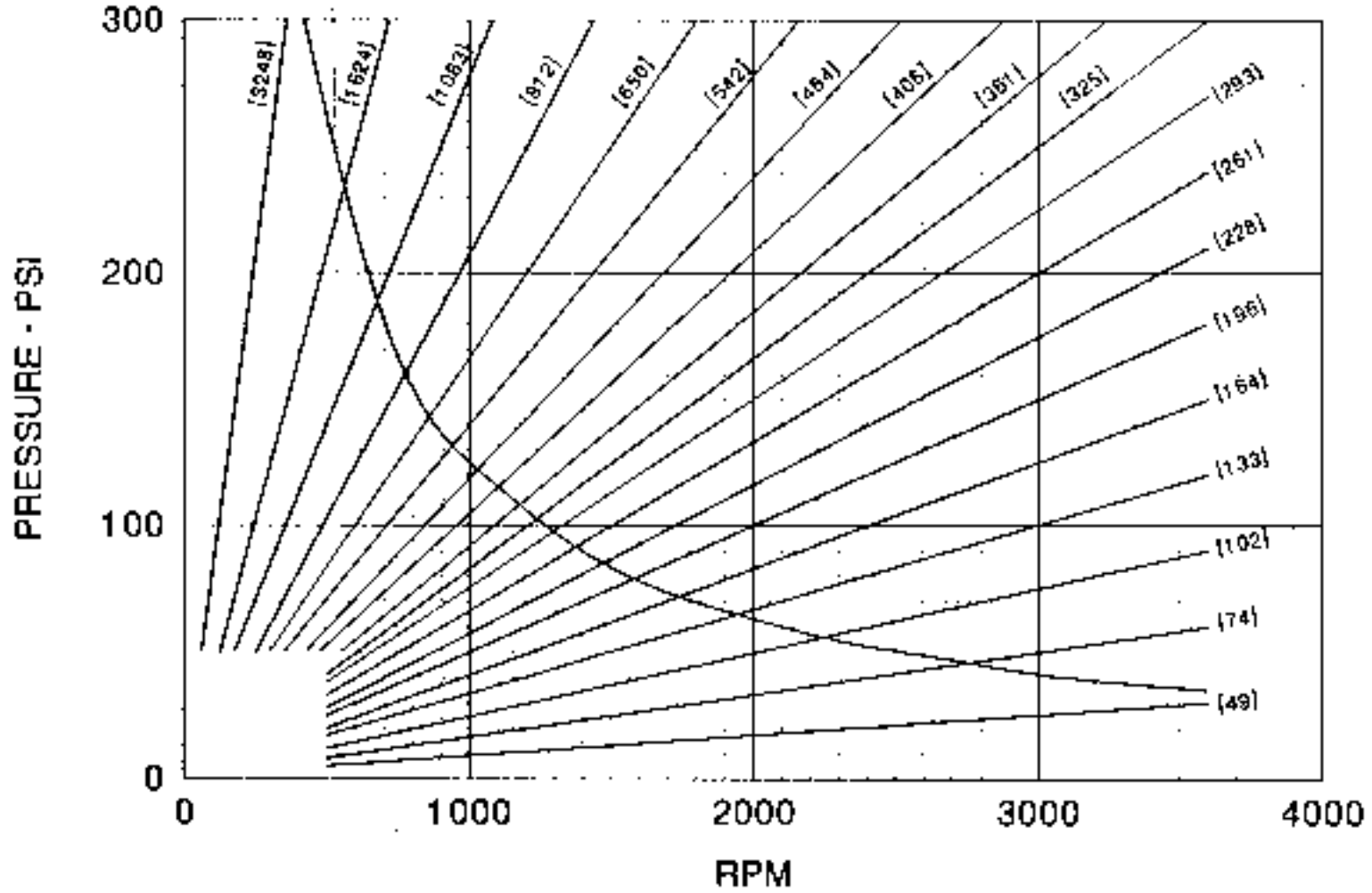
(SSU)

PV LIMIT CURVE

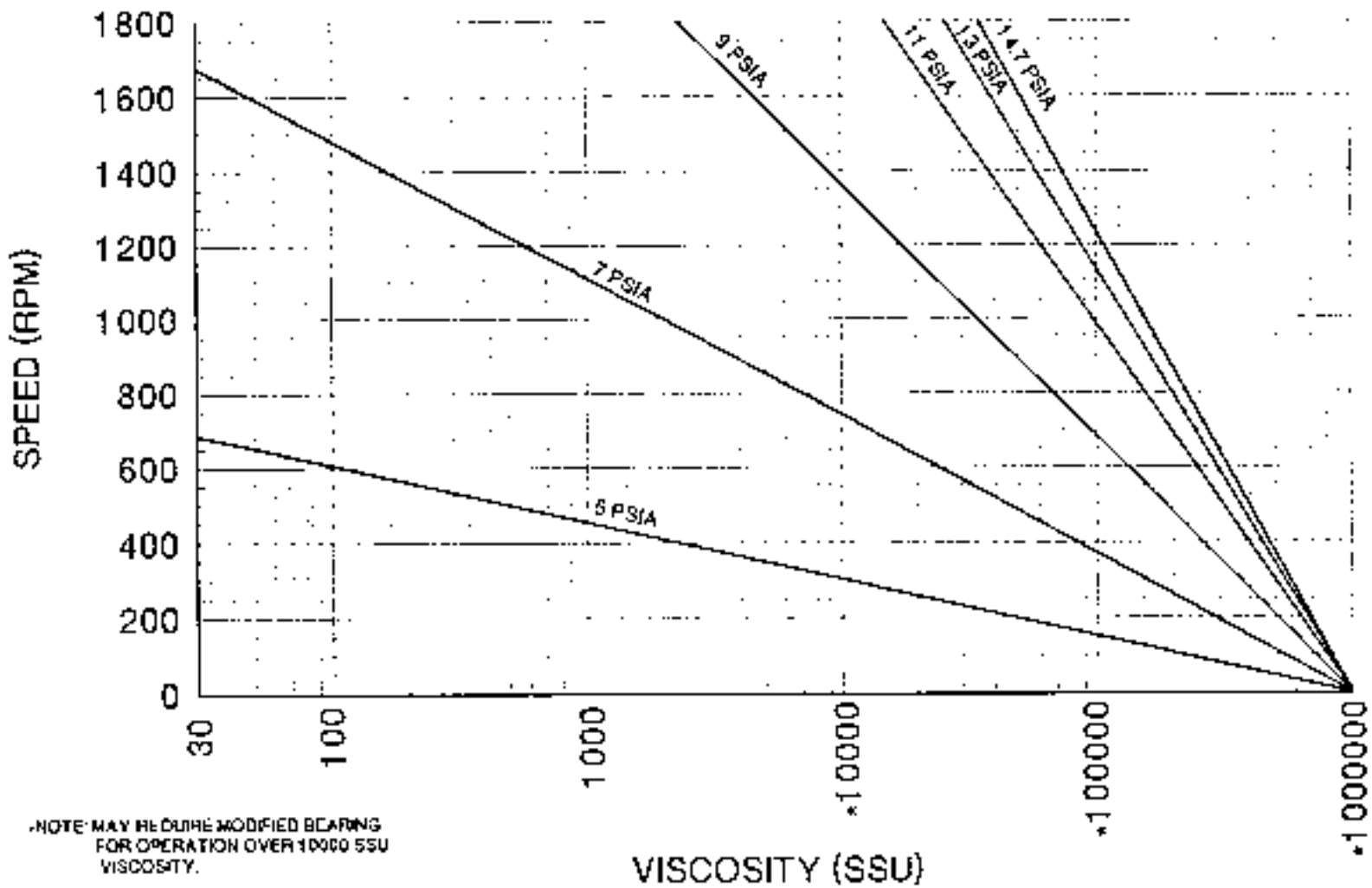


# A03 (IRON BEARINGS)

ISSU) . -- PV LIMIT CURVE

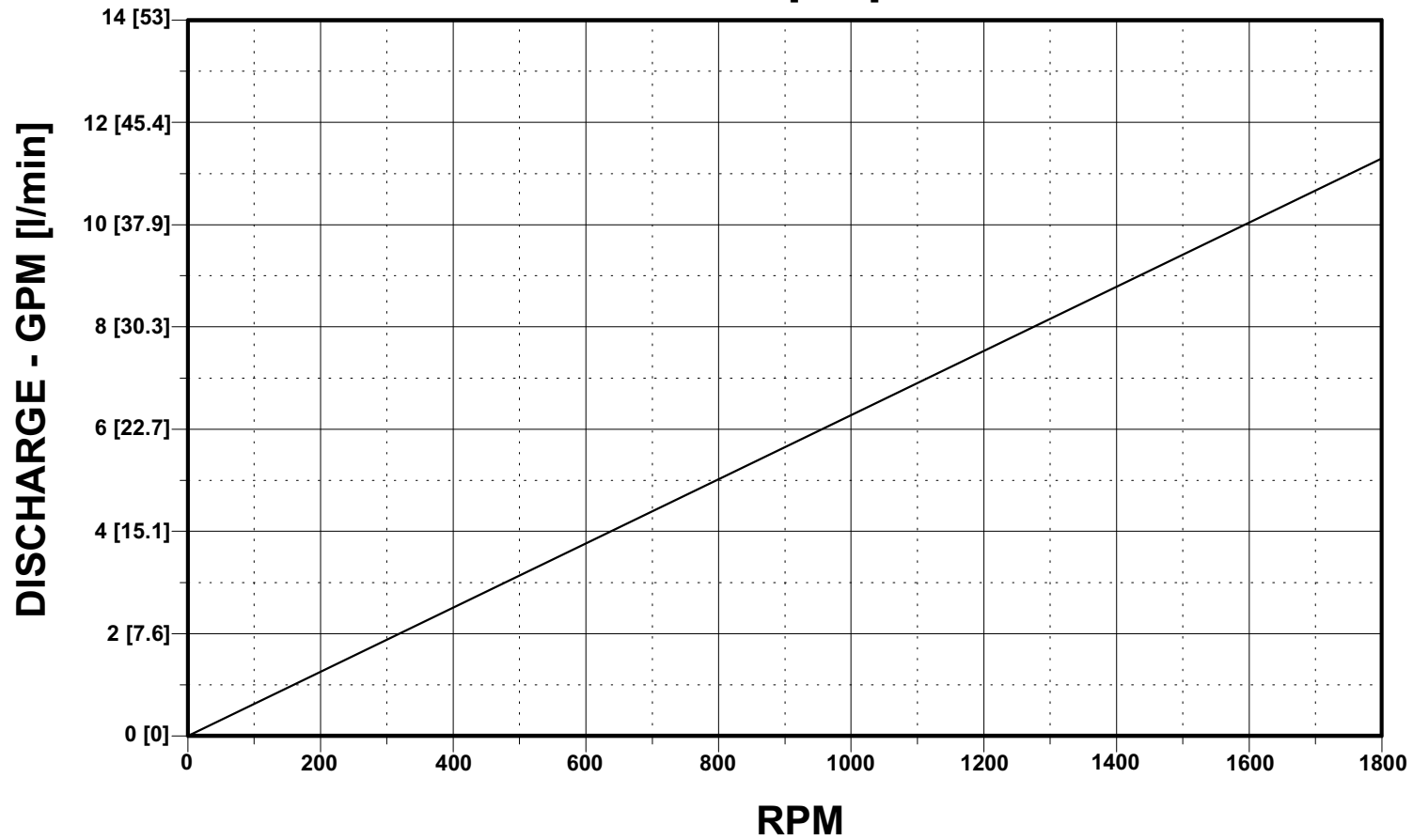


AP 06 - AM 32  
REQUIRED NET INLET PRESSURE



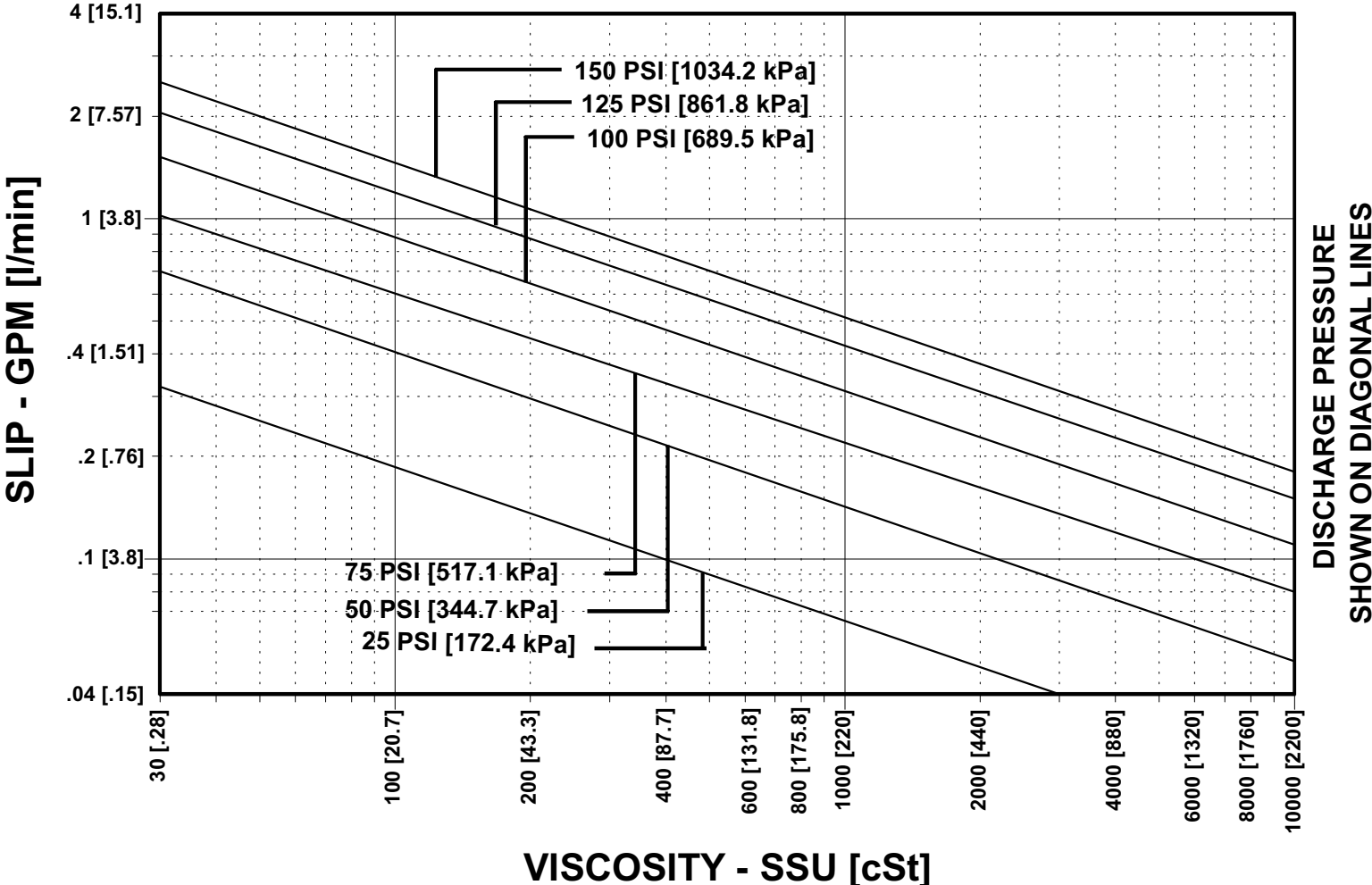
**SERIES: A06**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2



# GRAPH 2 SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2



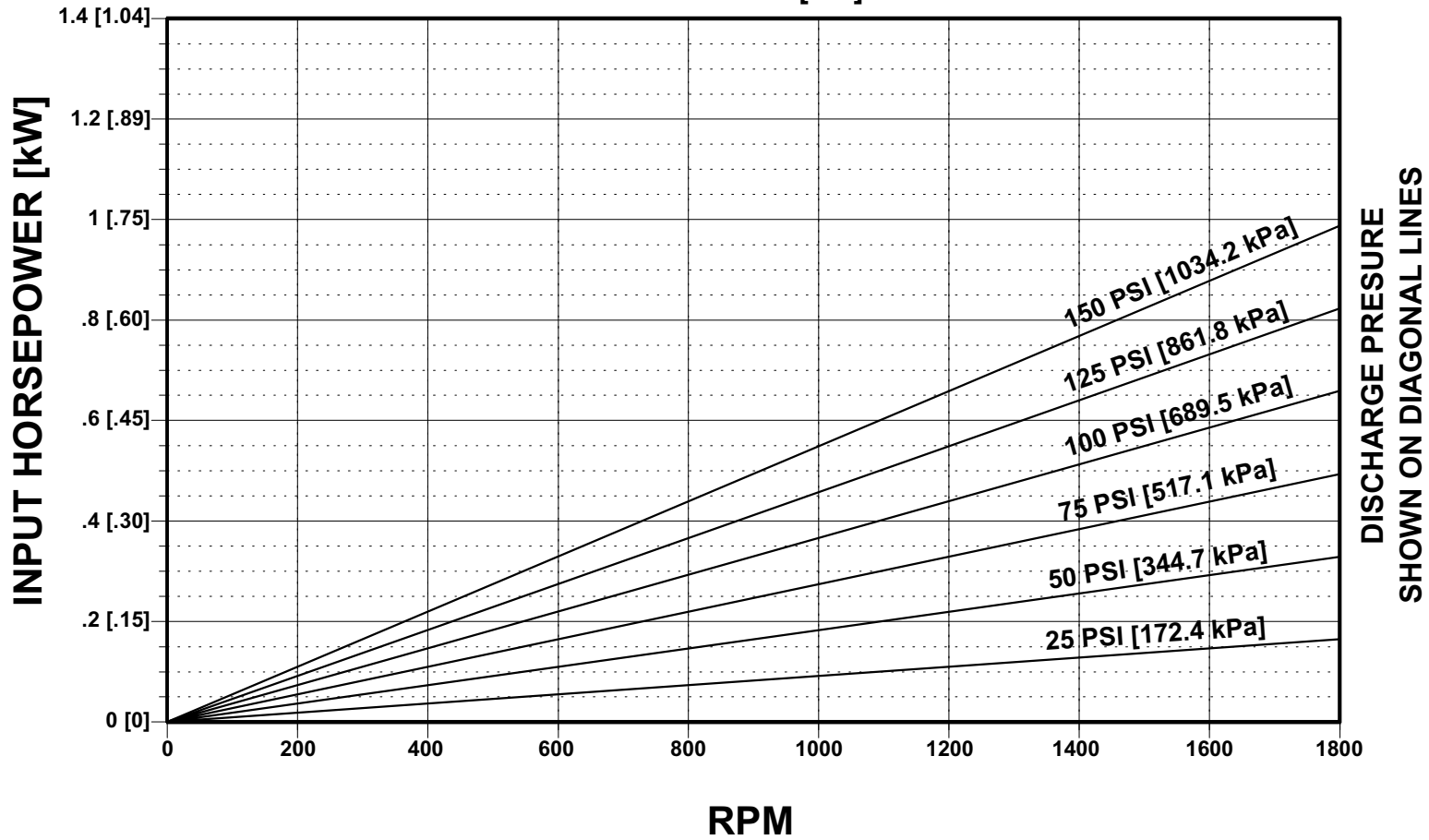


# SERIES: A06

## GRAPH 3

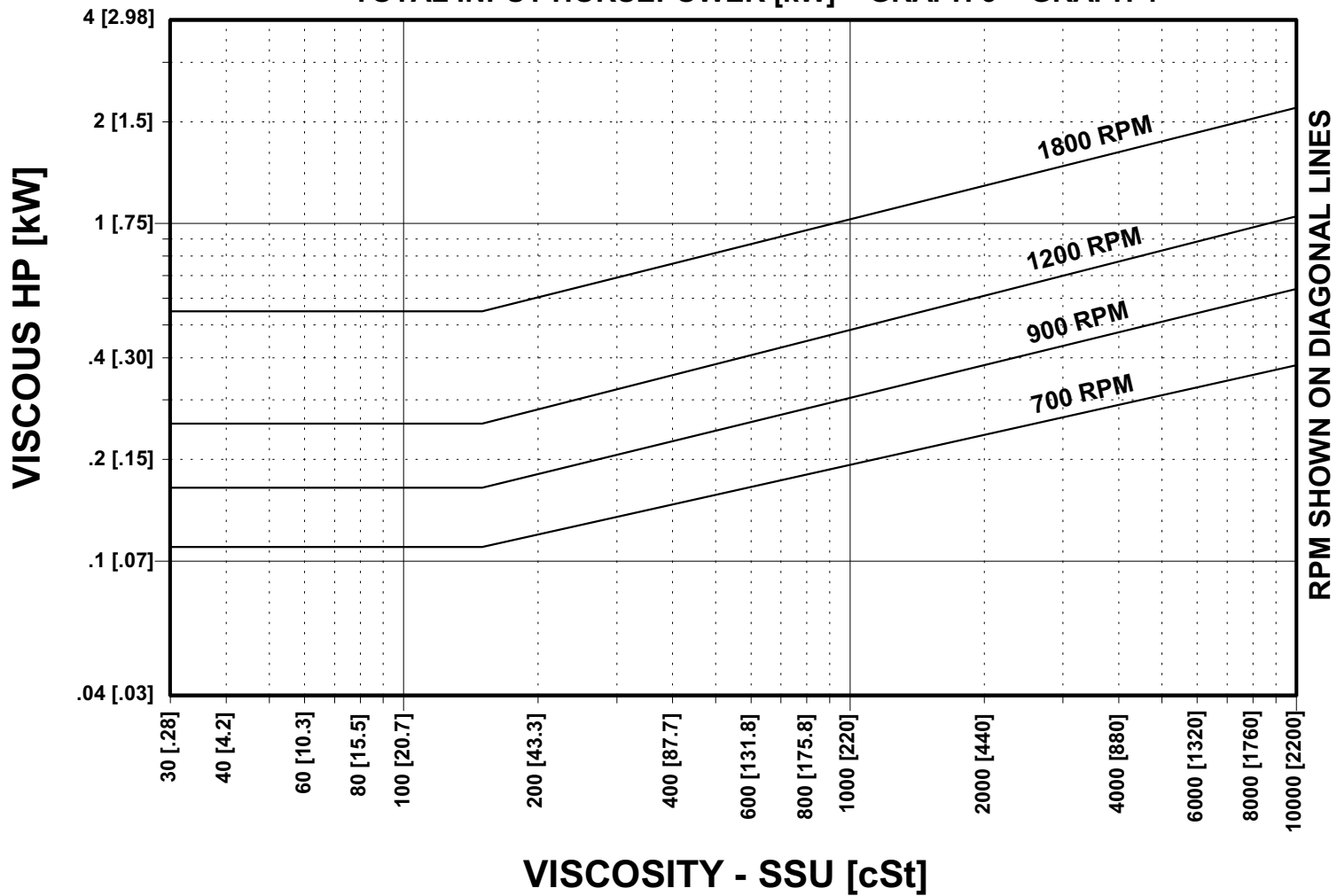
### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

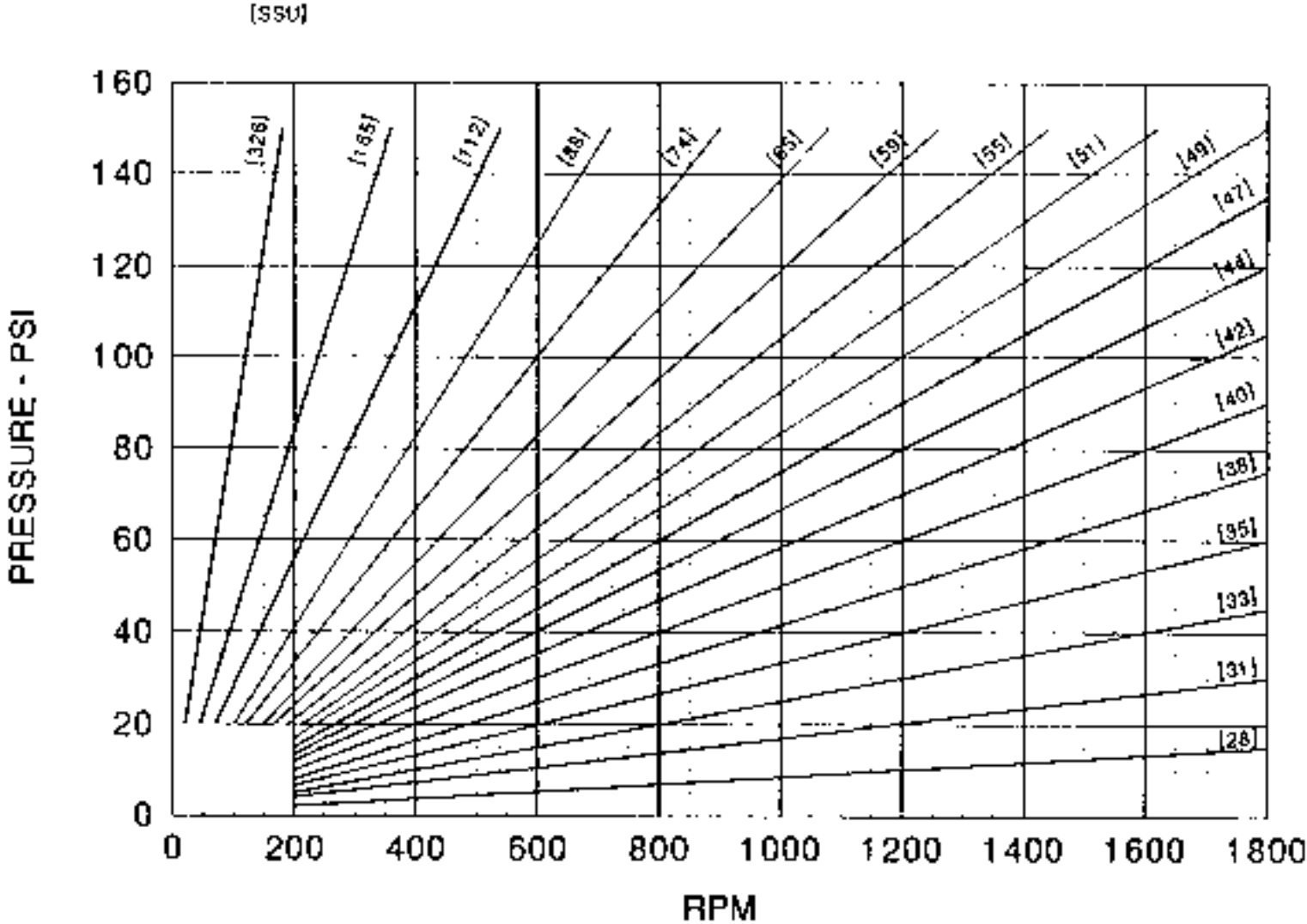


# SERIES: A06 GRAPH 4 VISCIOUS HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

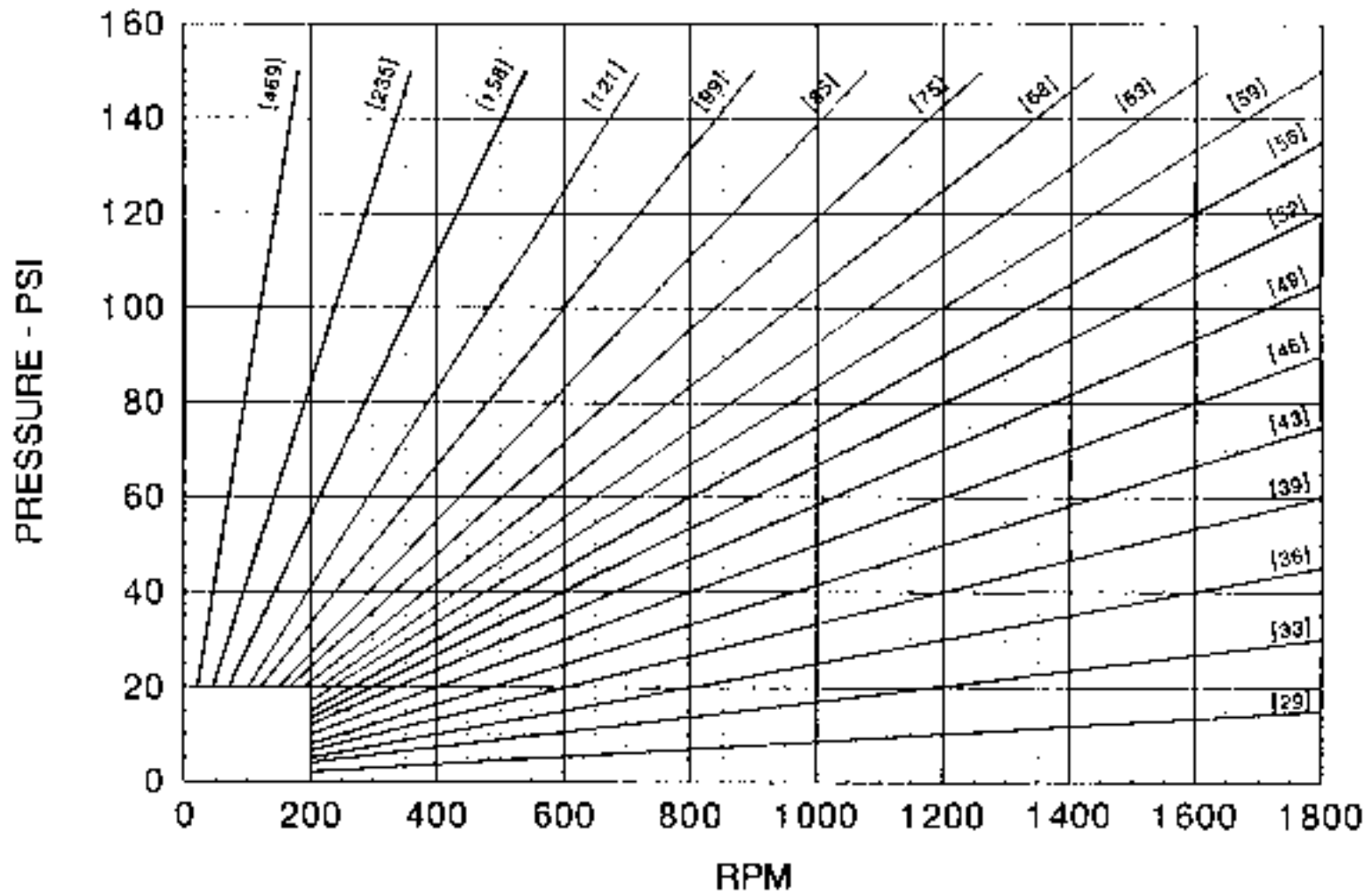


A06  
(BRONZE BEARINGS)

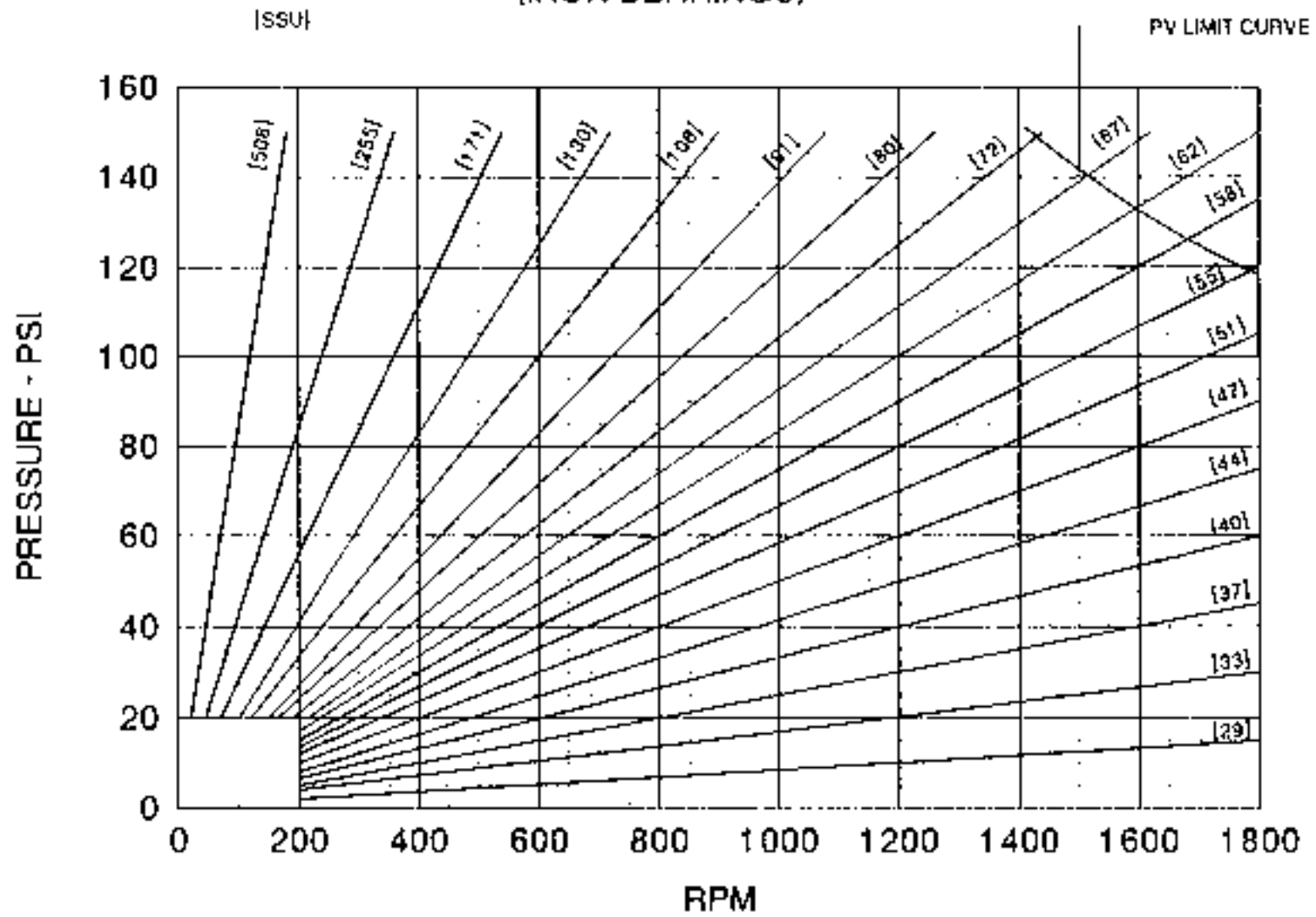


# A06 (CARBON BEARINGS)

[55U]

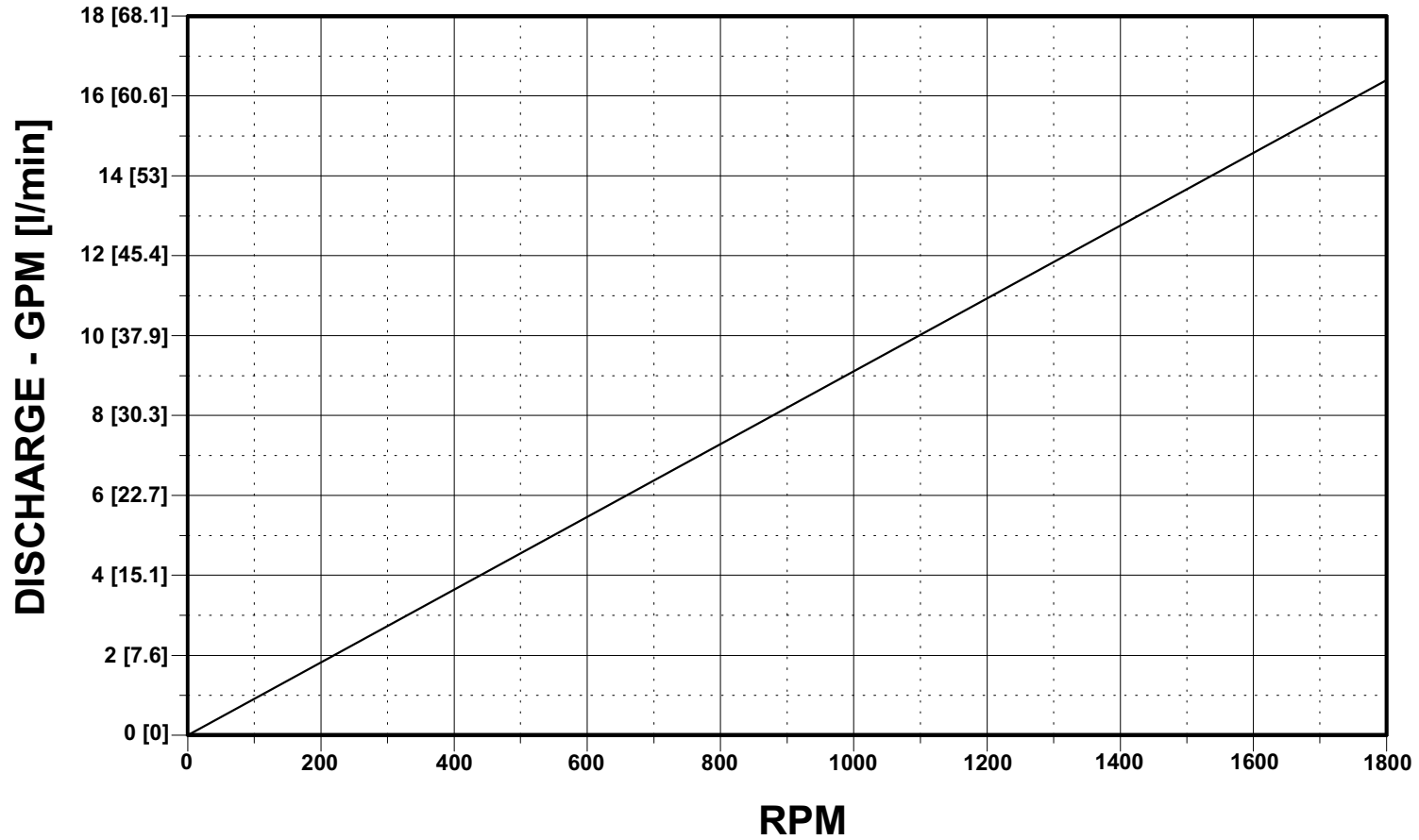


# A06 (IRON BEARINGS)



**SERIES: A08**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

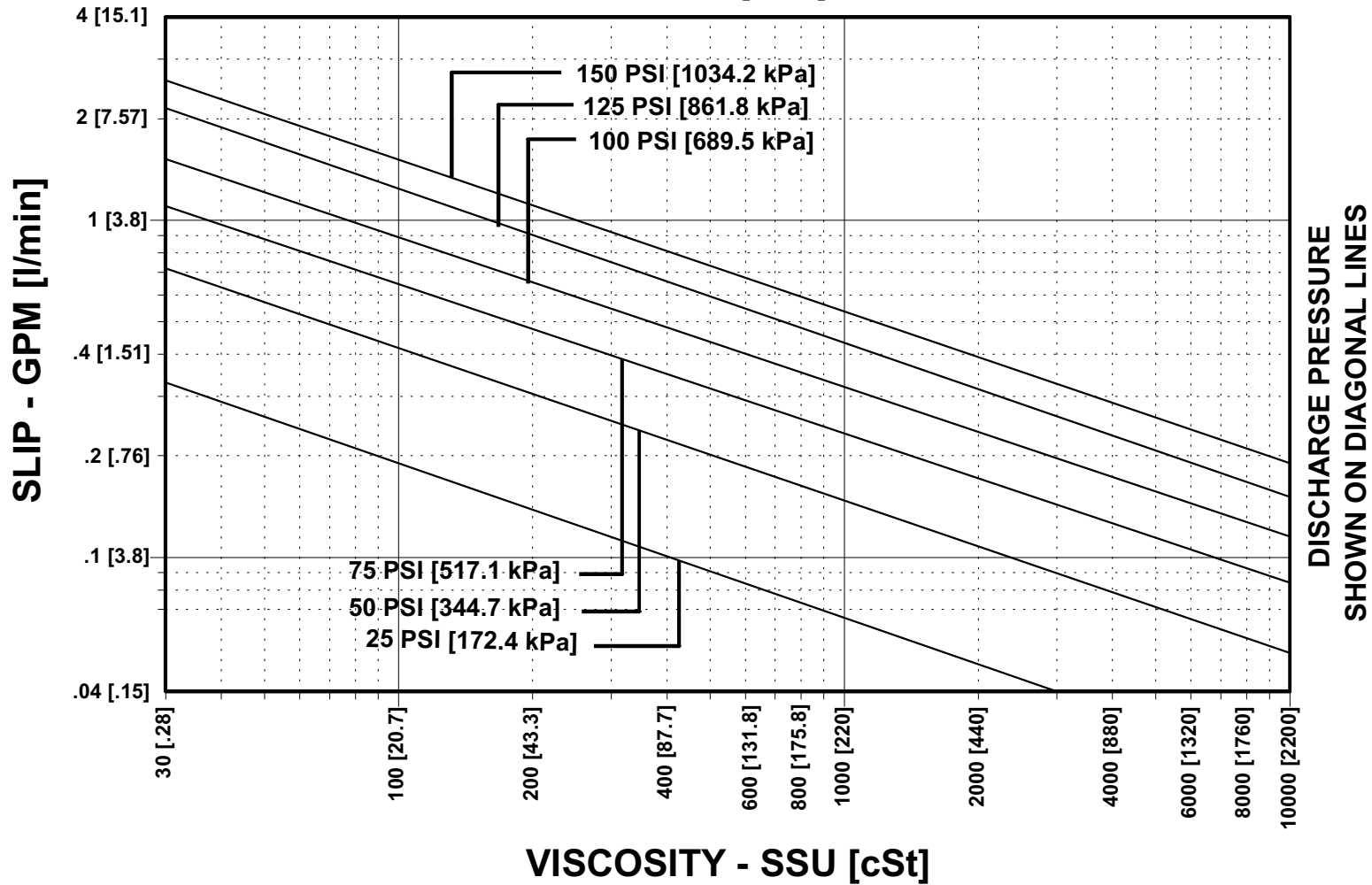


# SERIES: A08

## GRAPH 2

### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

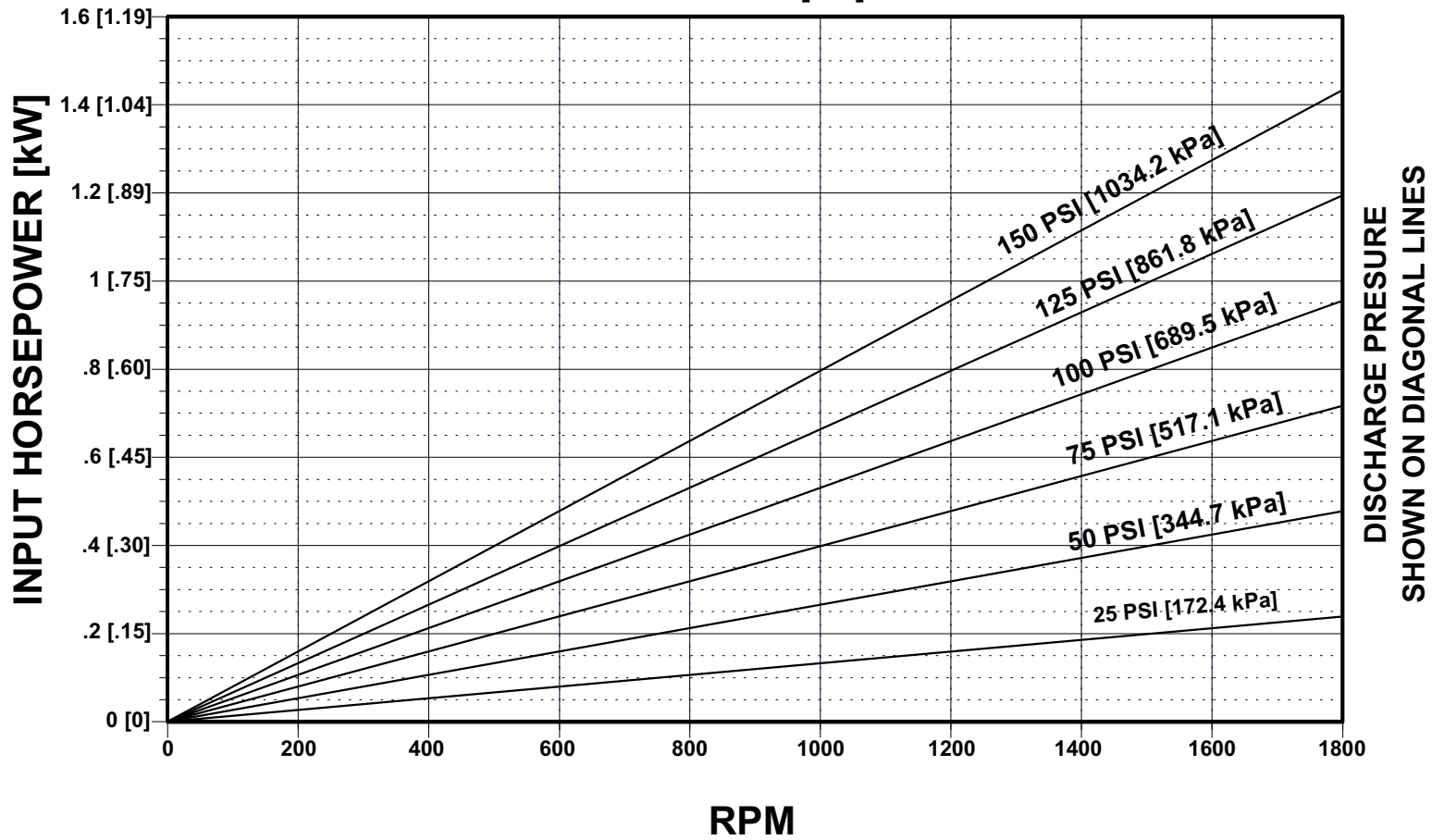


# SERIES: A08

## GRAPH 3

### INPUT HORSEPOWER

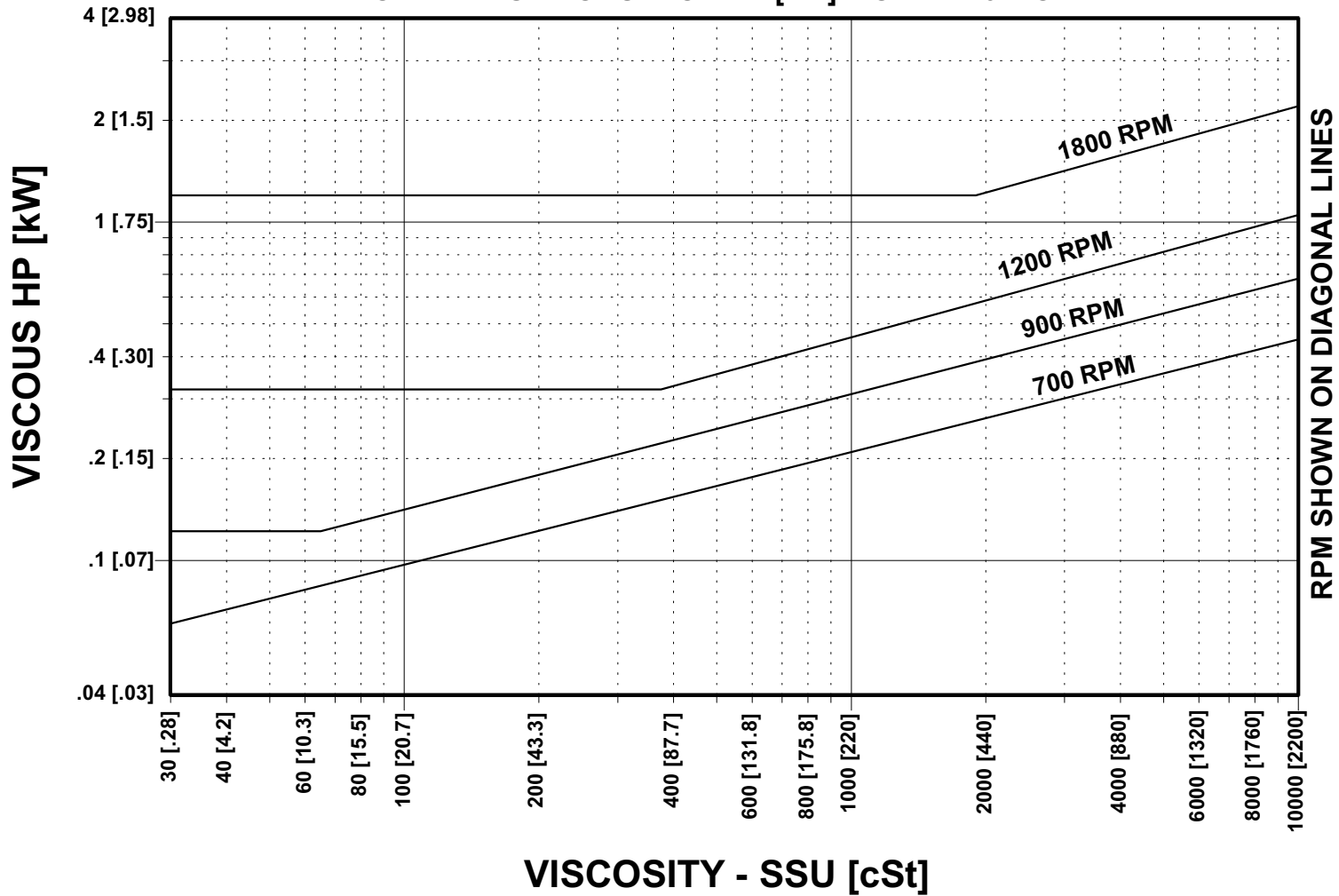
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4





# SERIES: A08 GRAPH 4 VISCIOUS HORSEPOWER

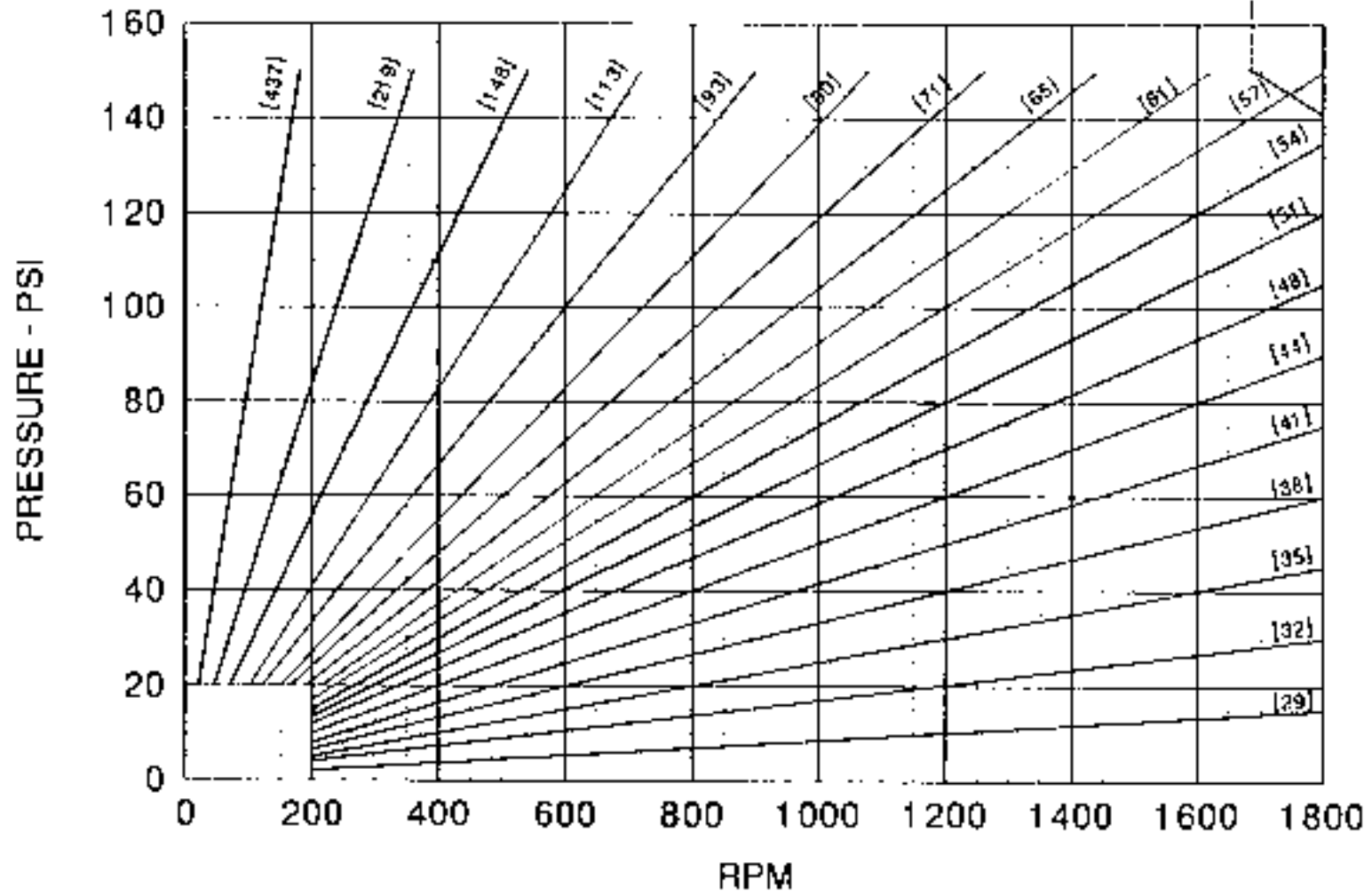
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# A08 (BRONZE BEARINGS)

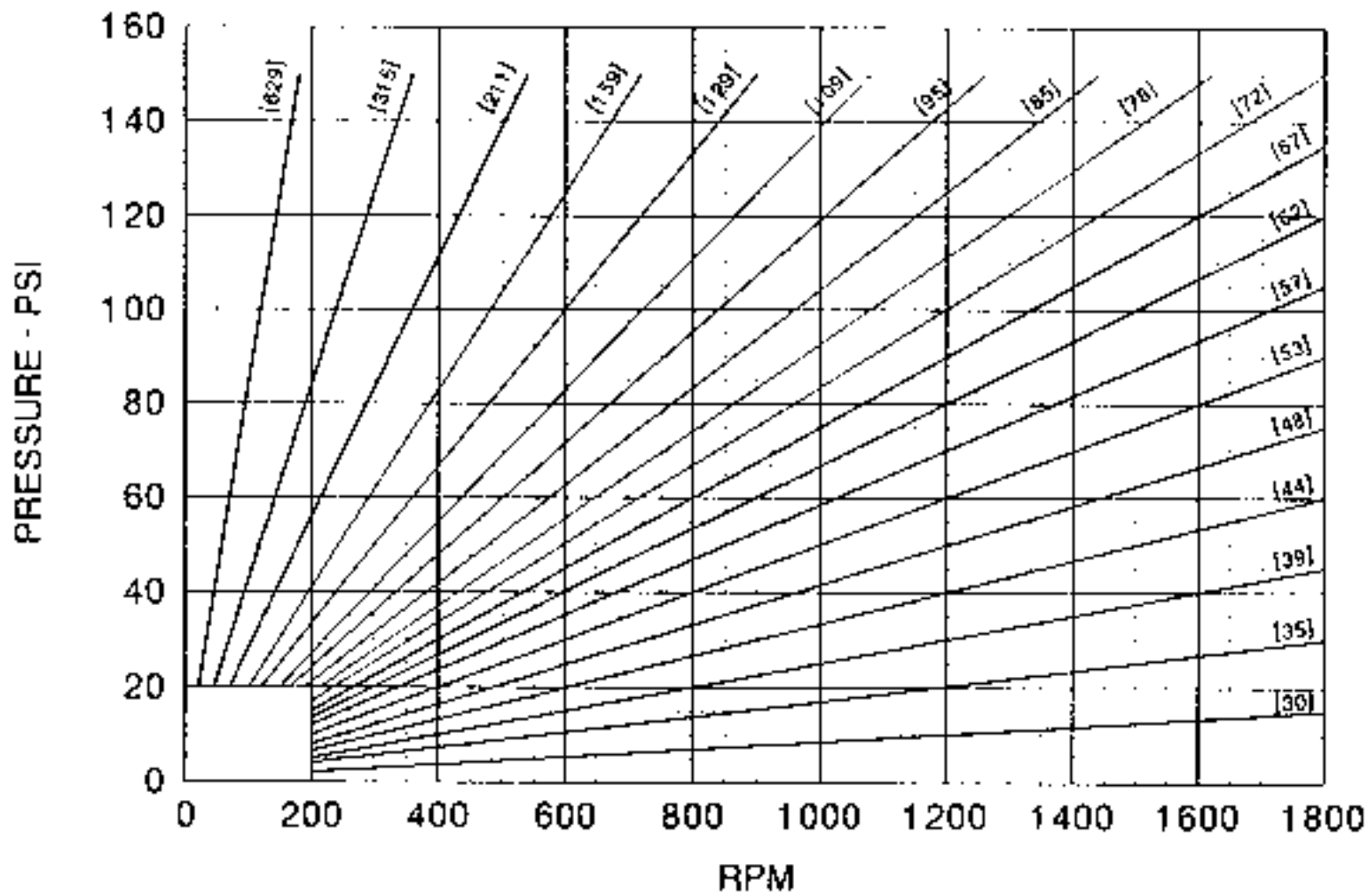
[550]

PV LIMIT CURVE

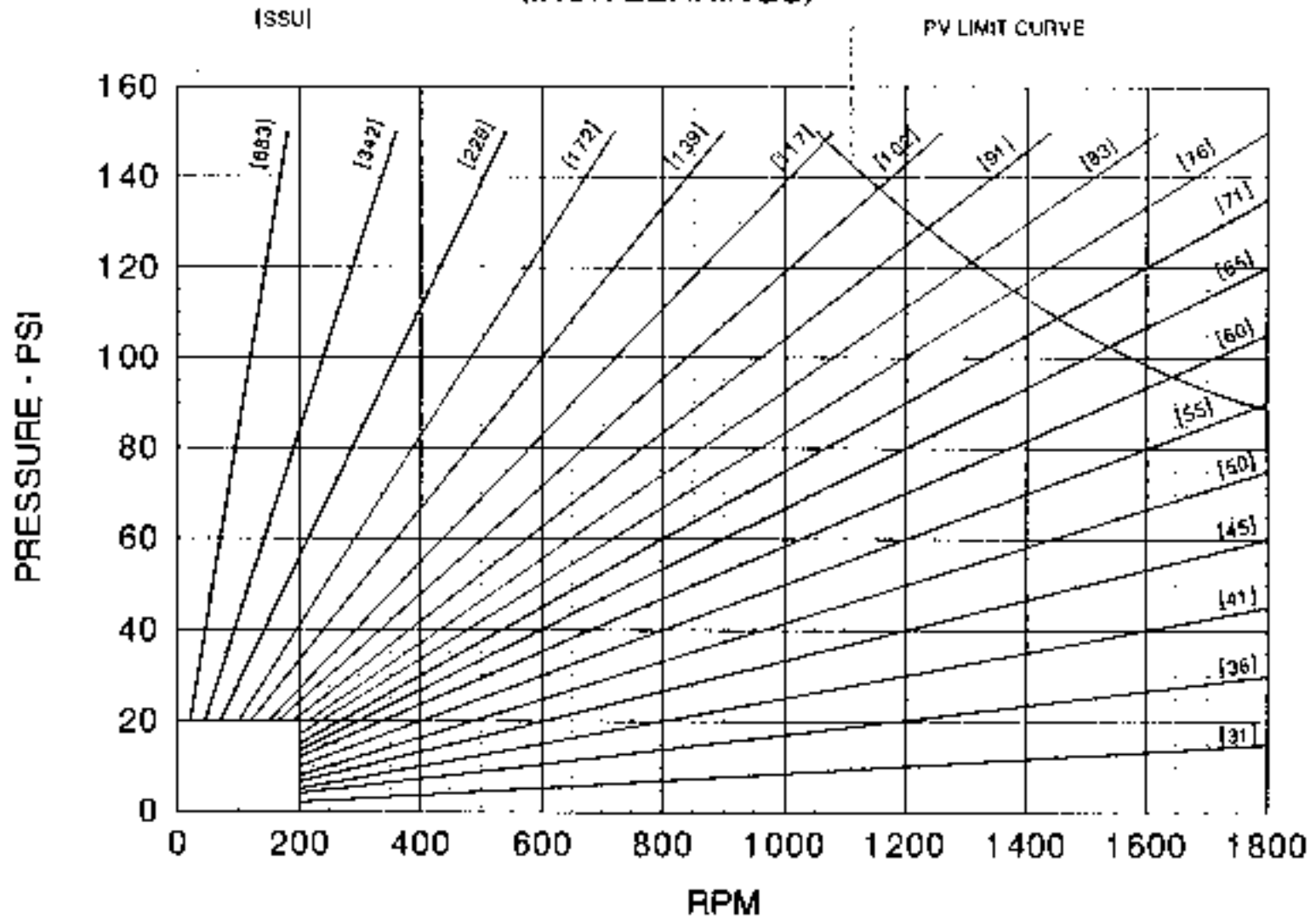


# A08 (CARBON BEARINGS)

ISSU

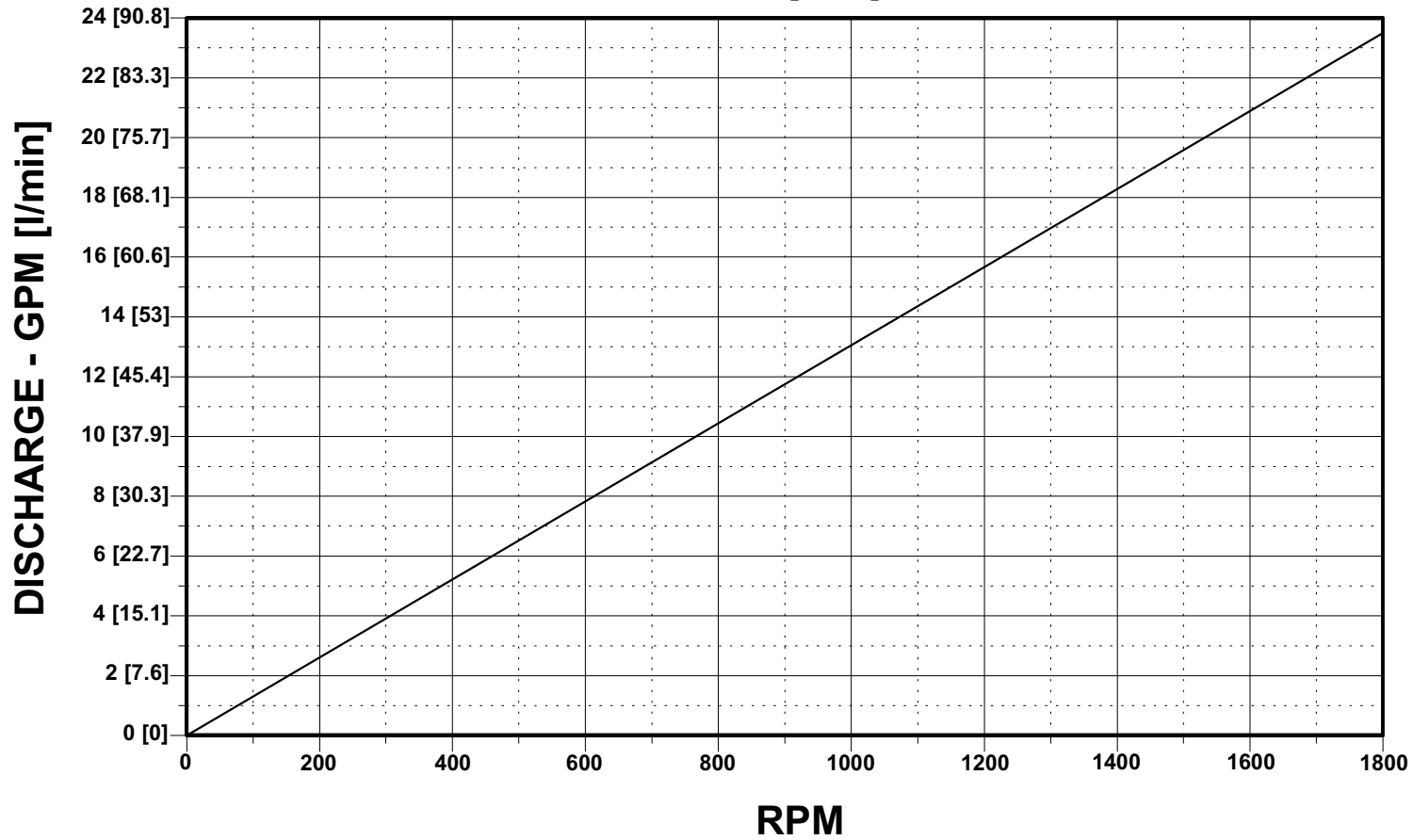


# A08 (IRON BEARINGS)



**SERIES: A12**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

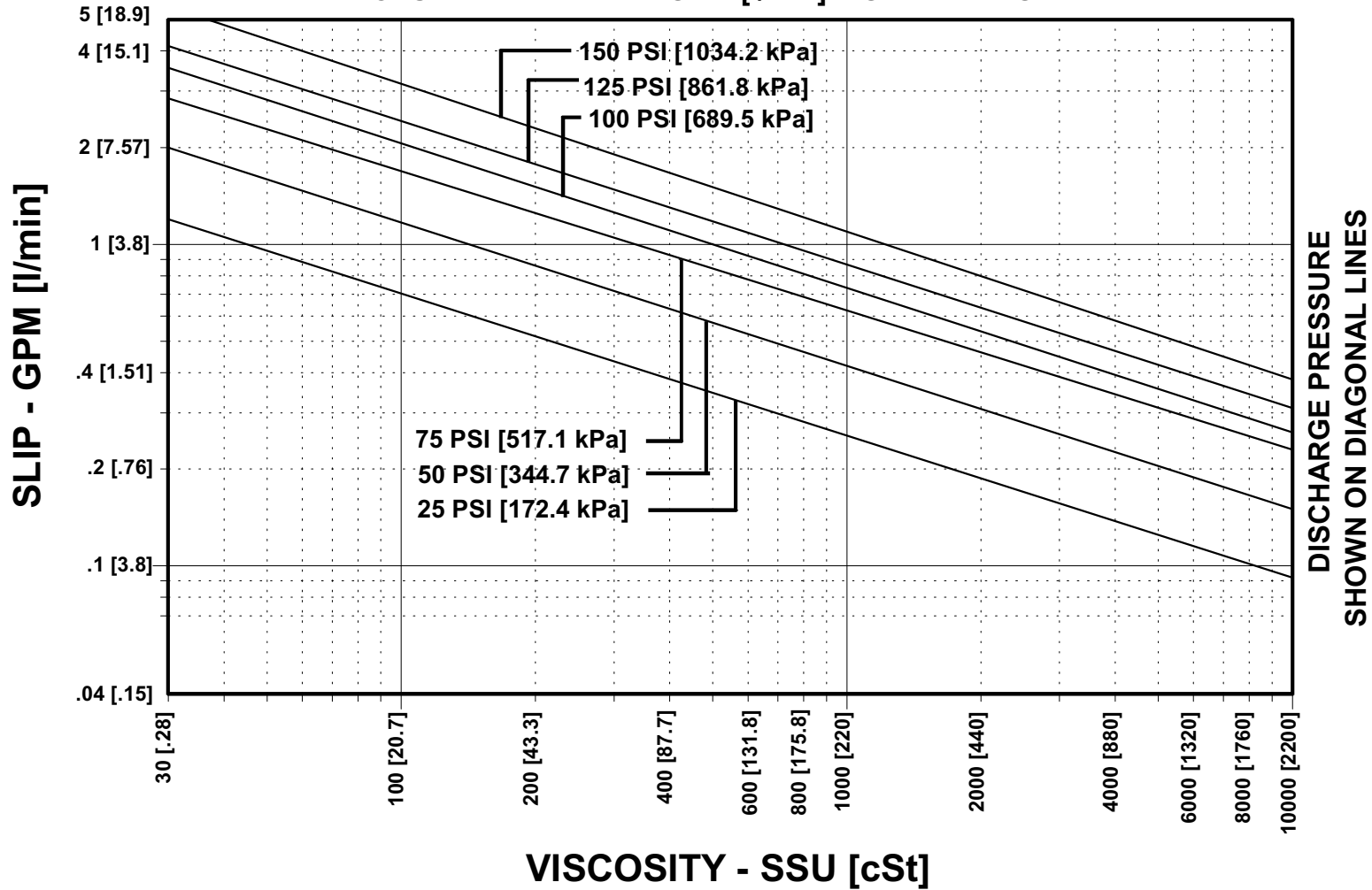


# SERIES: A12

## GRAPH 2

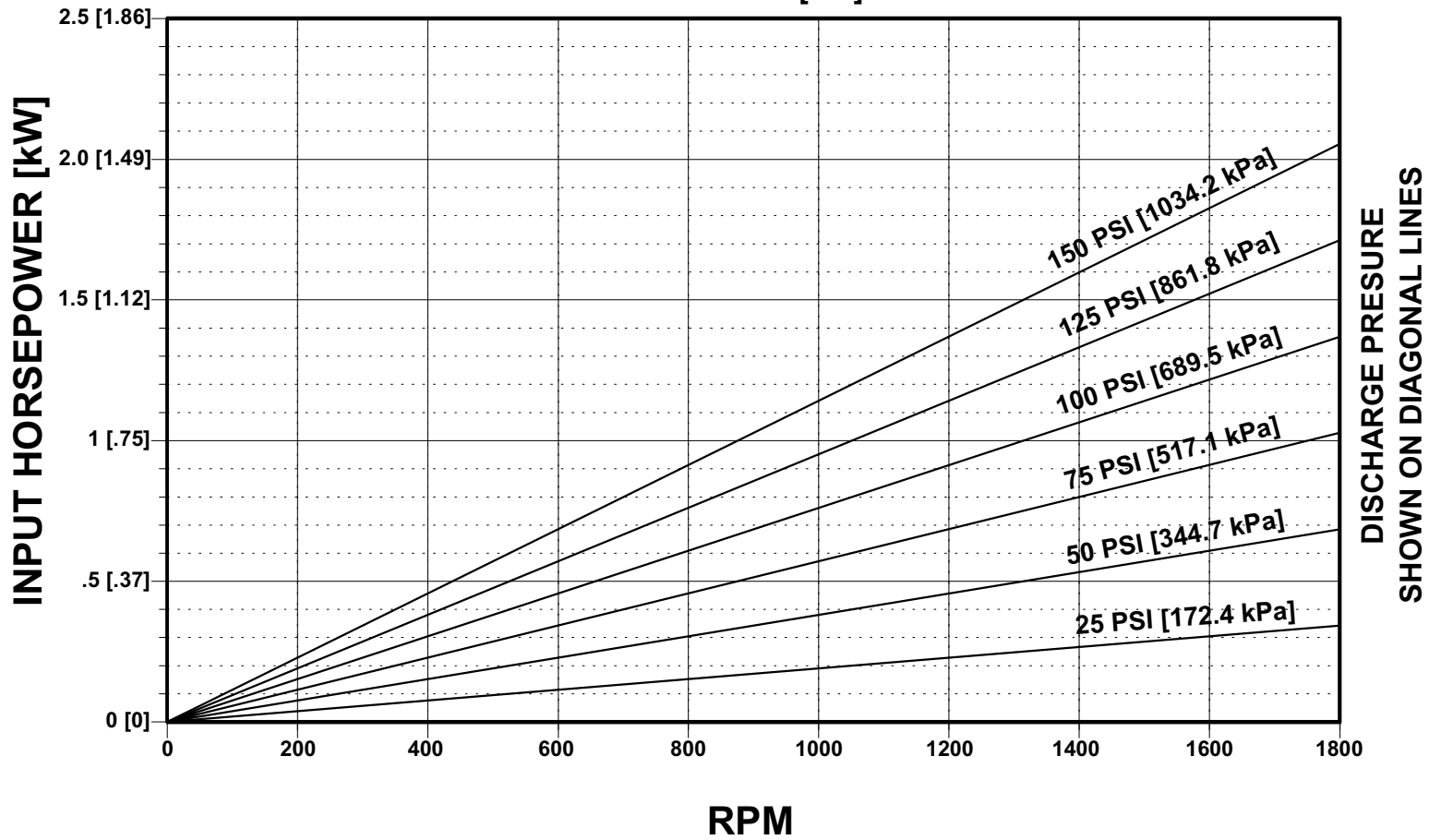
### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2



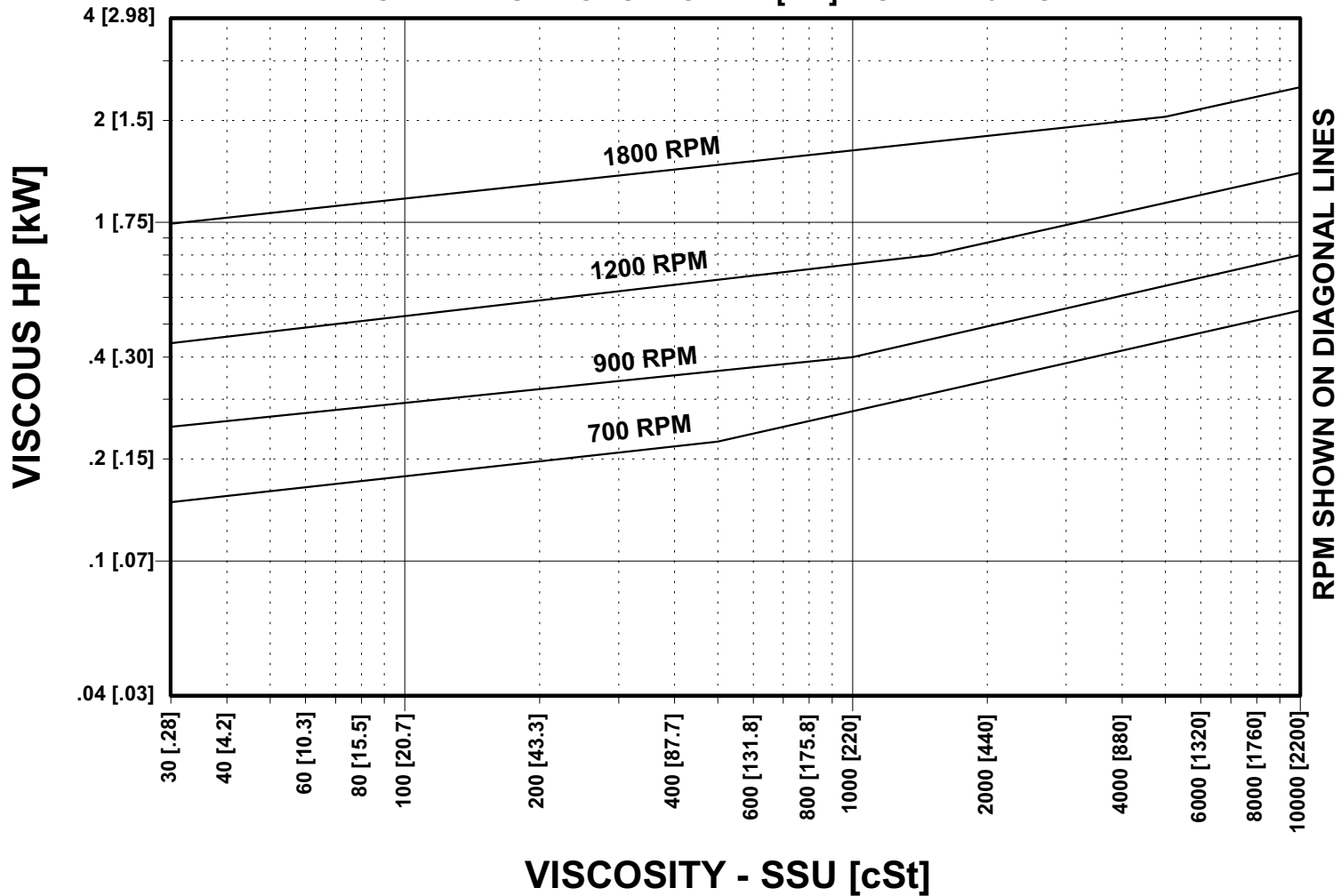
# SERIES: A12 GRAPH 3 INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



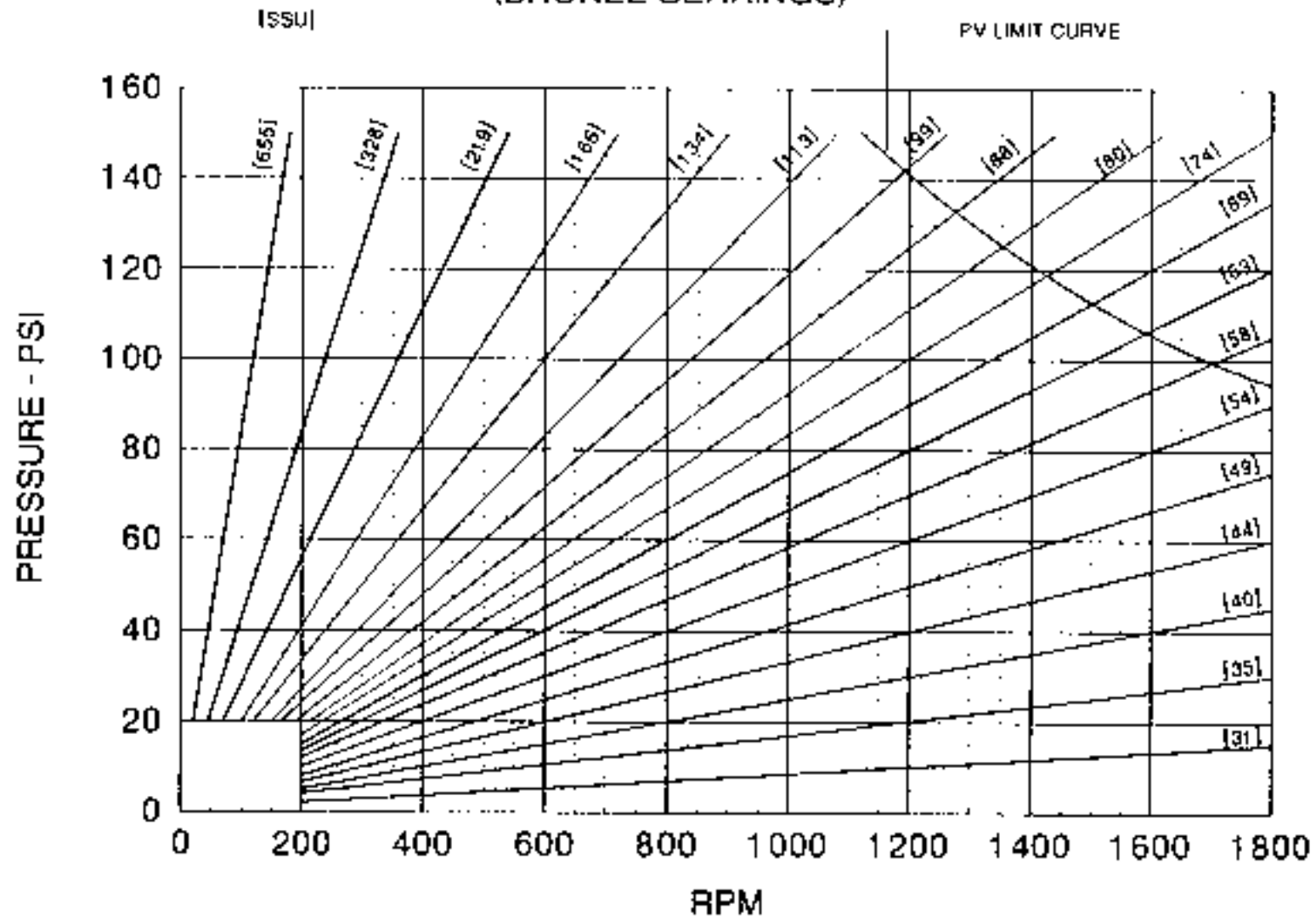
# SERIES: A12 GRAPH 4 VISCIOUS HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



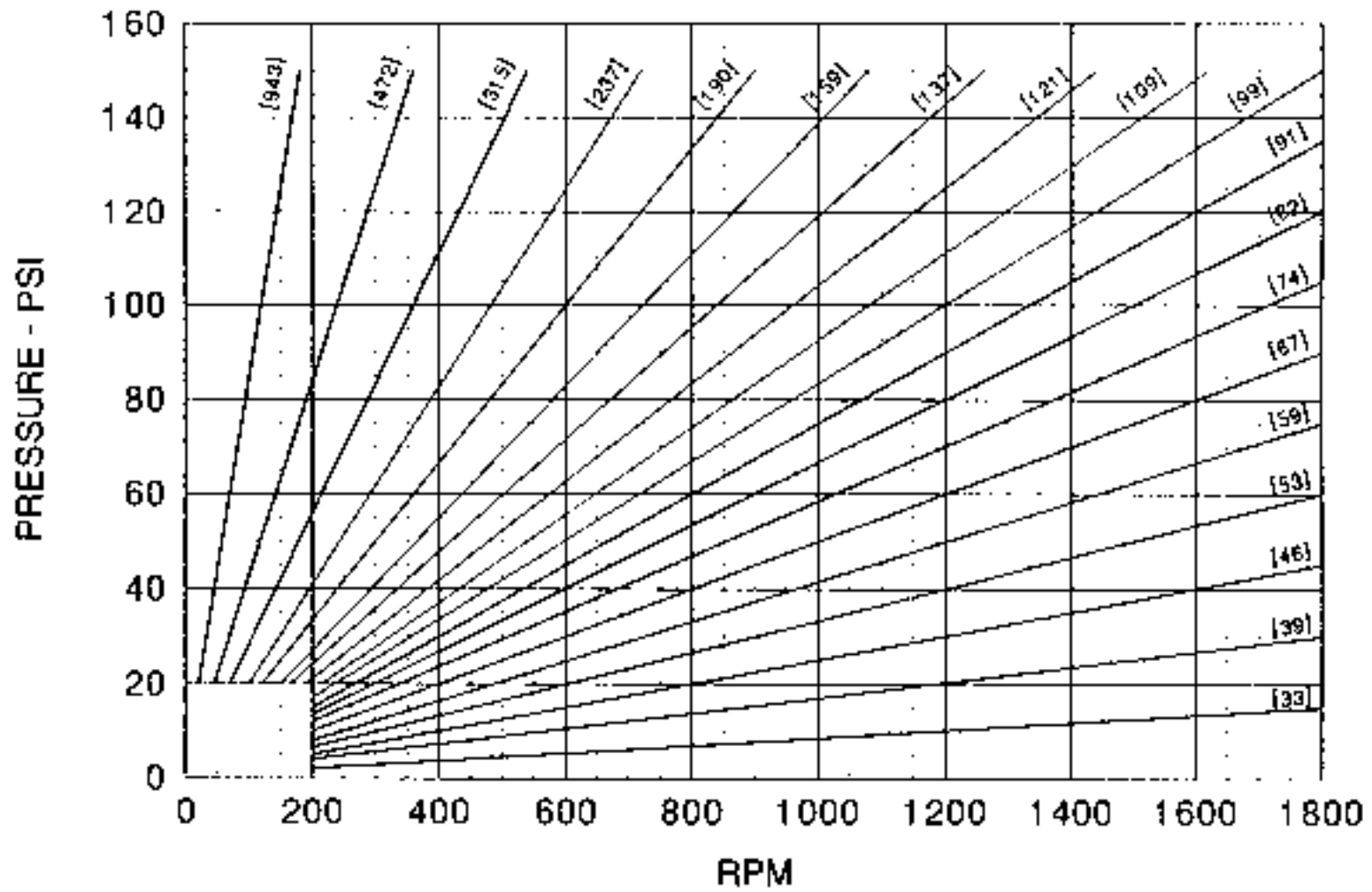


# A12 (BRONZE BEARINGS)



# A12 (CARBON BEARINGS)

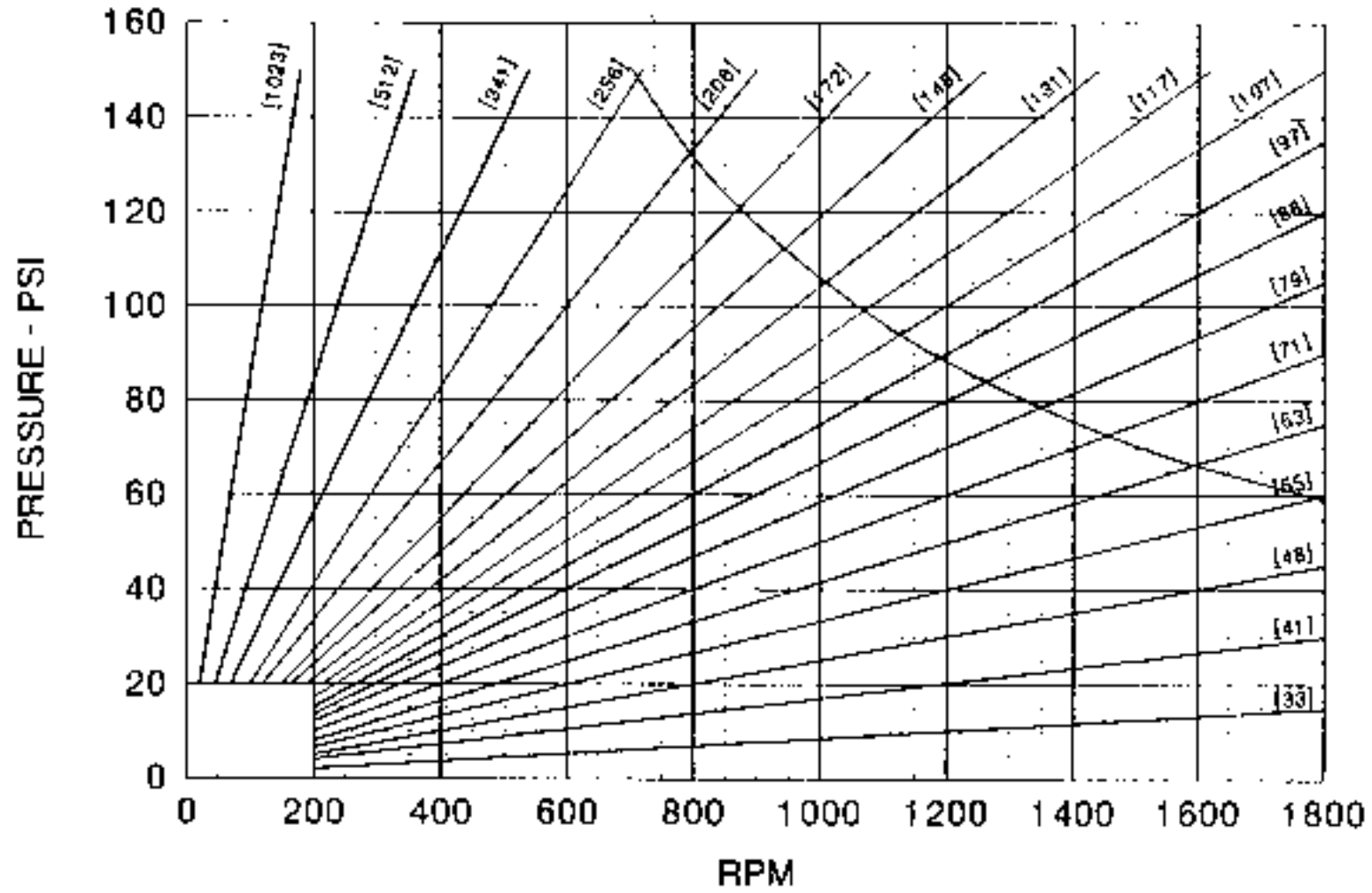
[SSU]



# A12 (IRON BEARINGS)

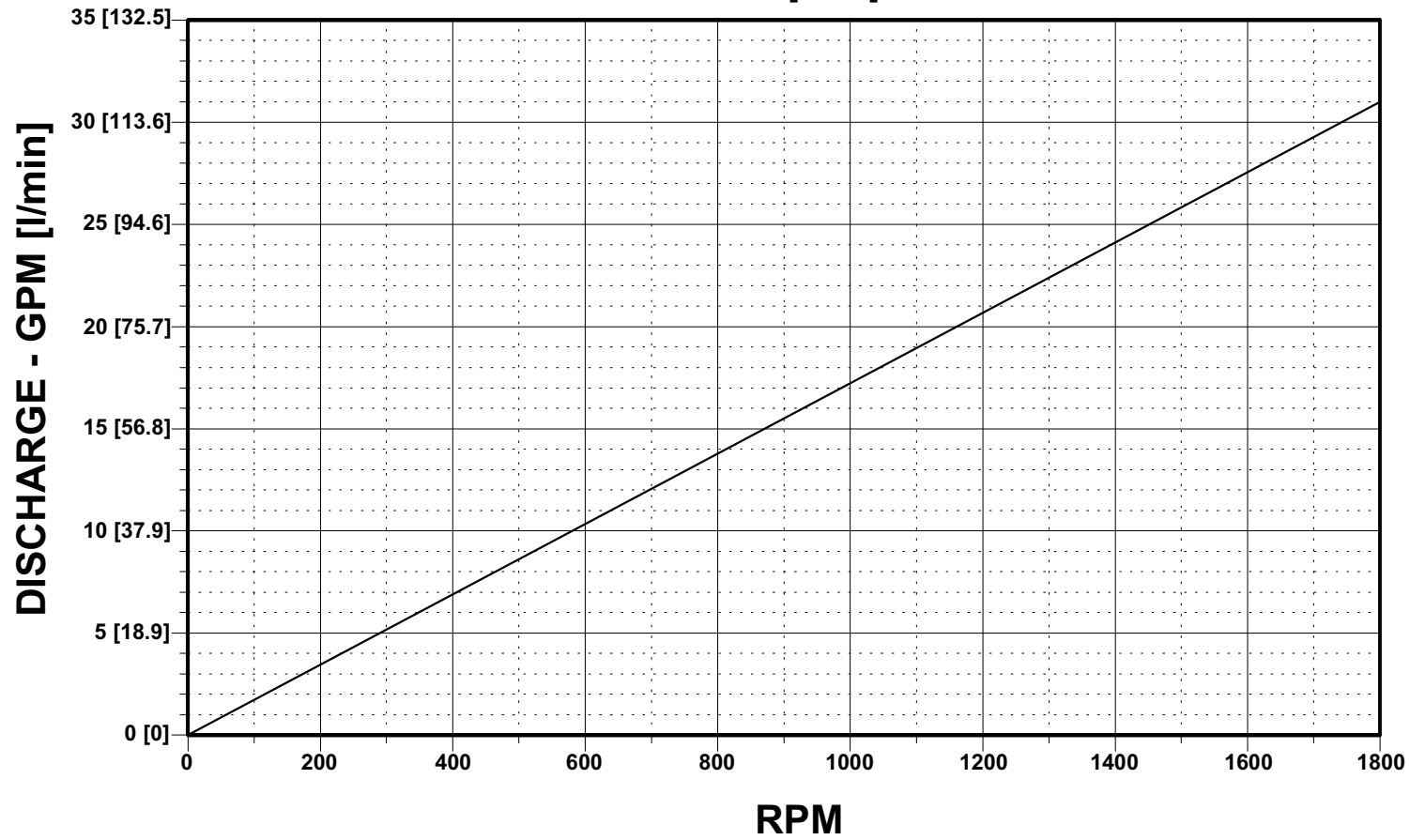
[35U]

--- PV LIMIT CURVE



**SERIES: A16**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

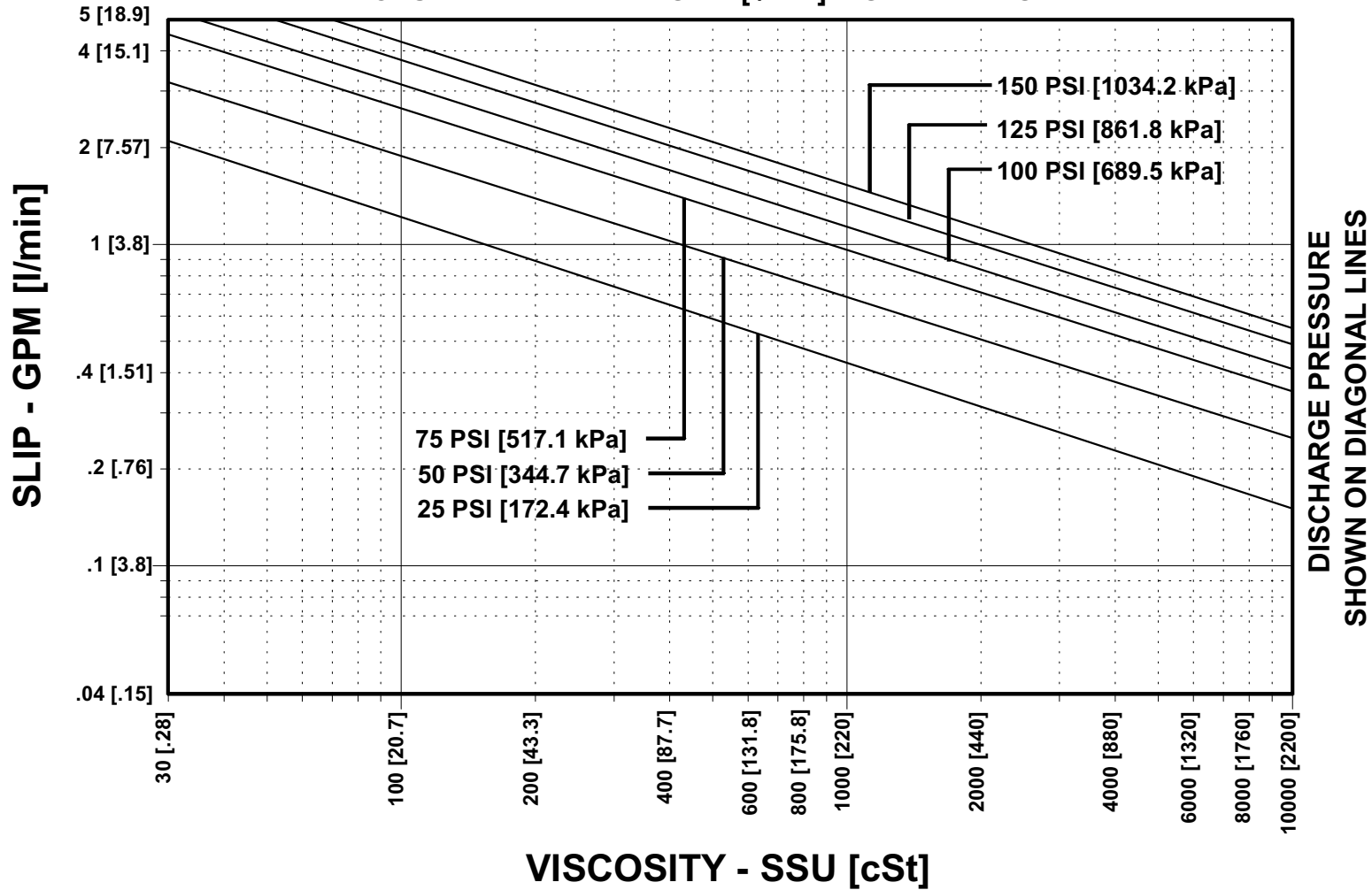


# SERIES: A16

## GRAPH 2

### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

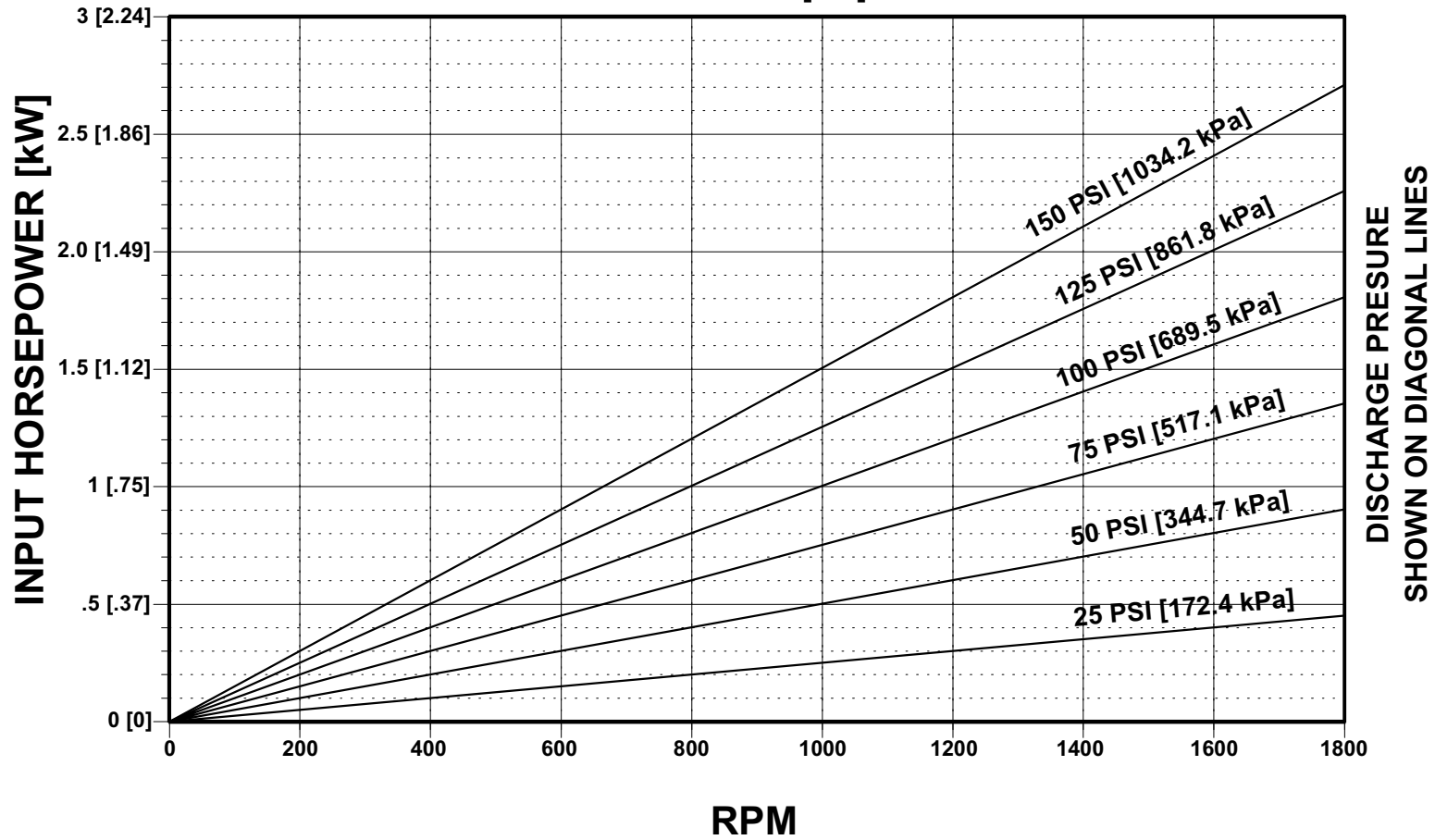


# SERIES: A16

## GRAPH 3

### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

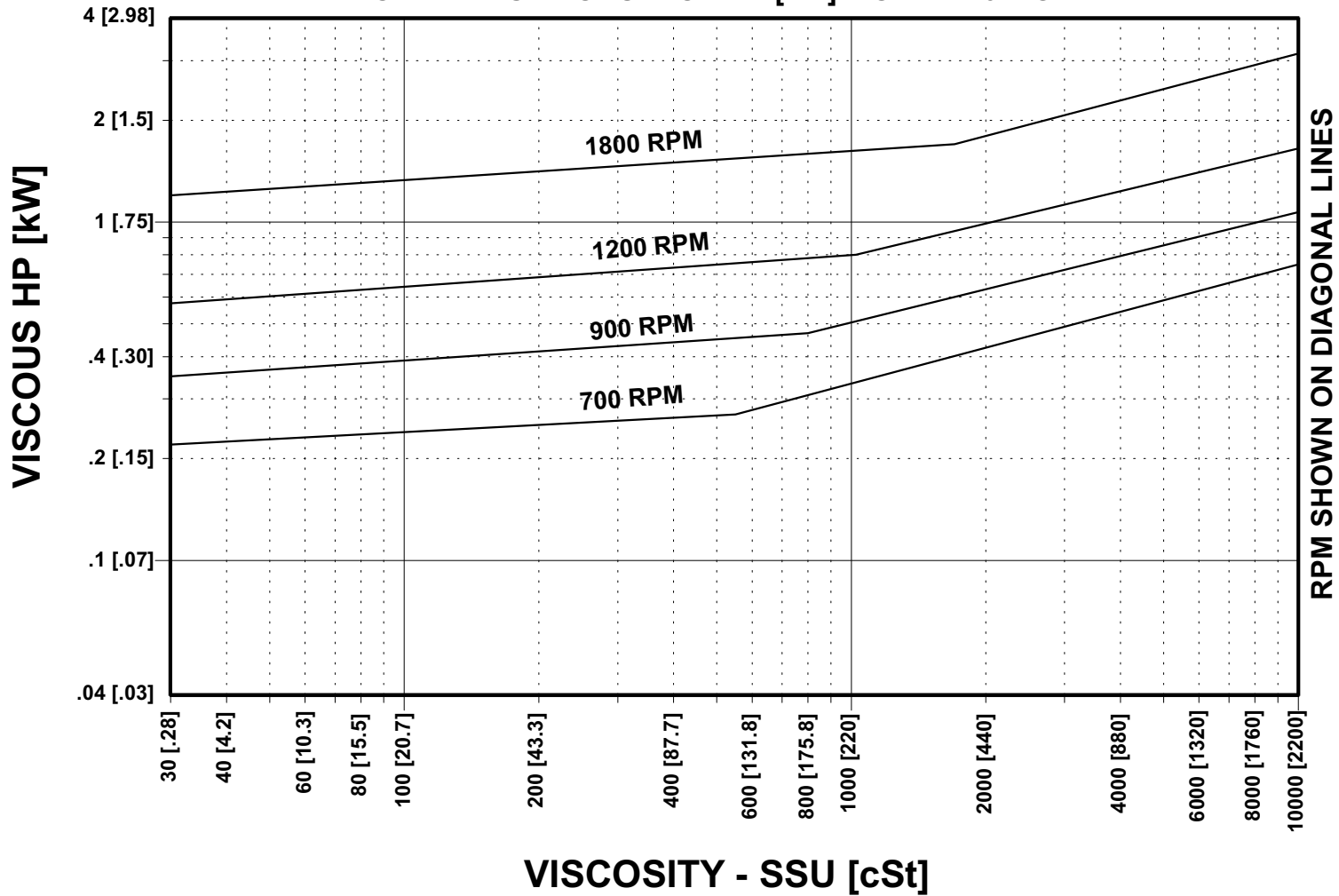


# SERIES: A16

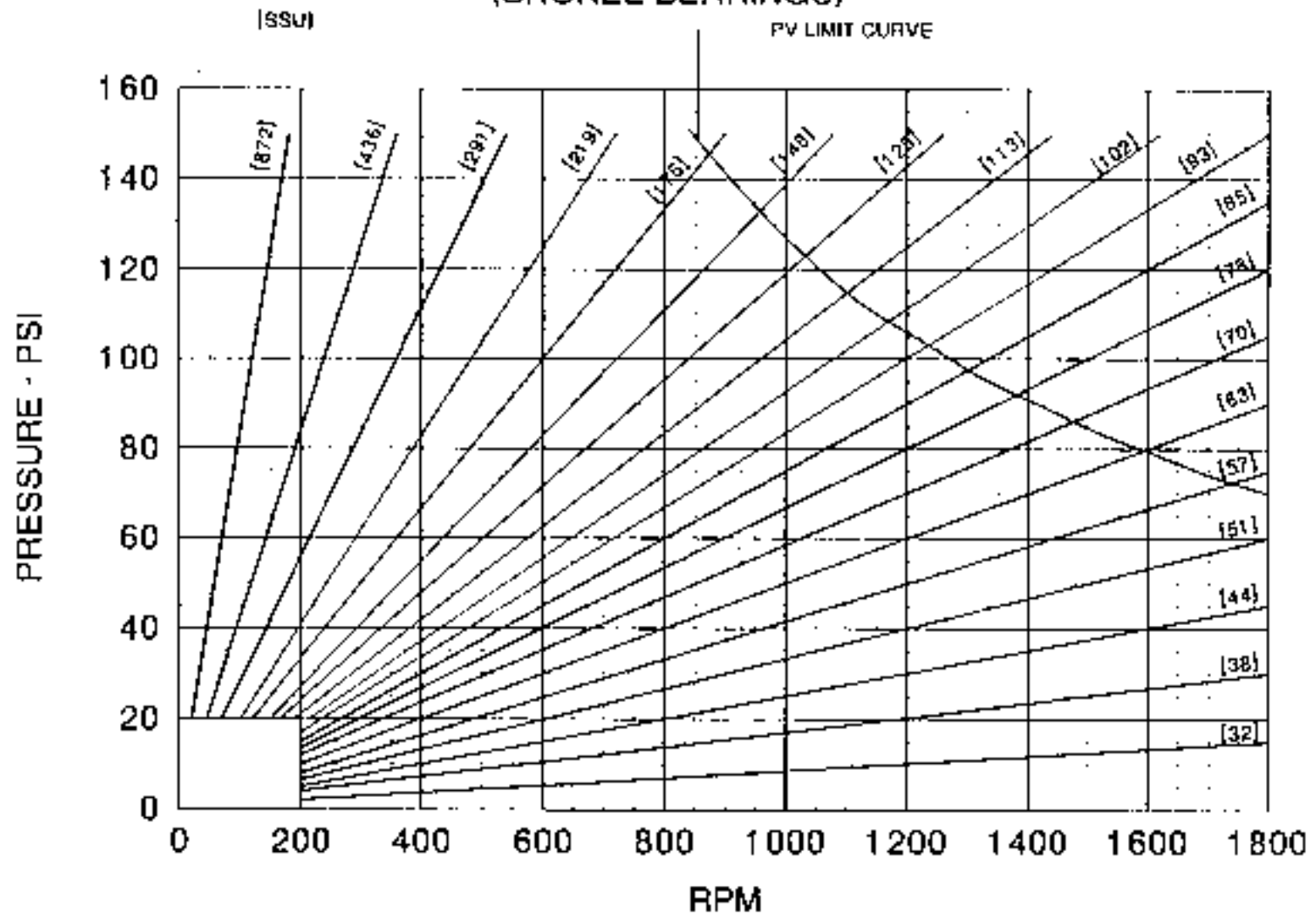
## GRAPH 4

### VISCOUS HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# A16 (BRONZE BEARINGS)

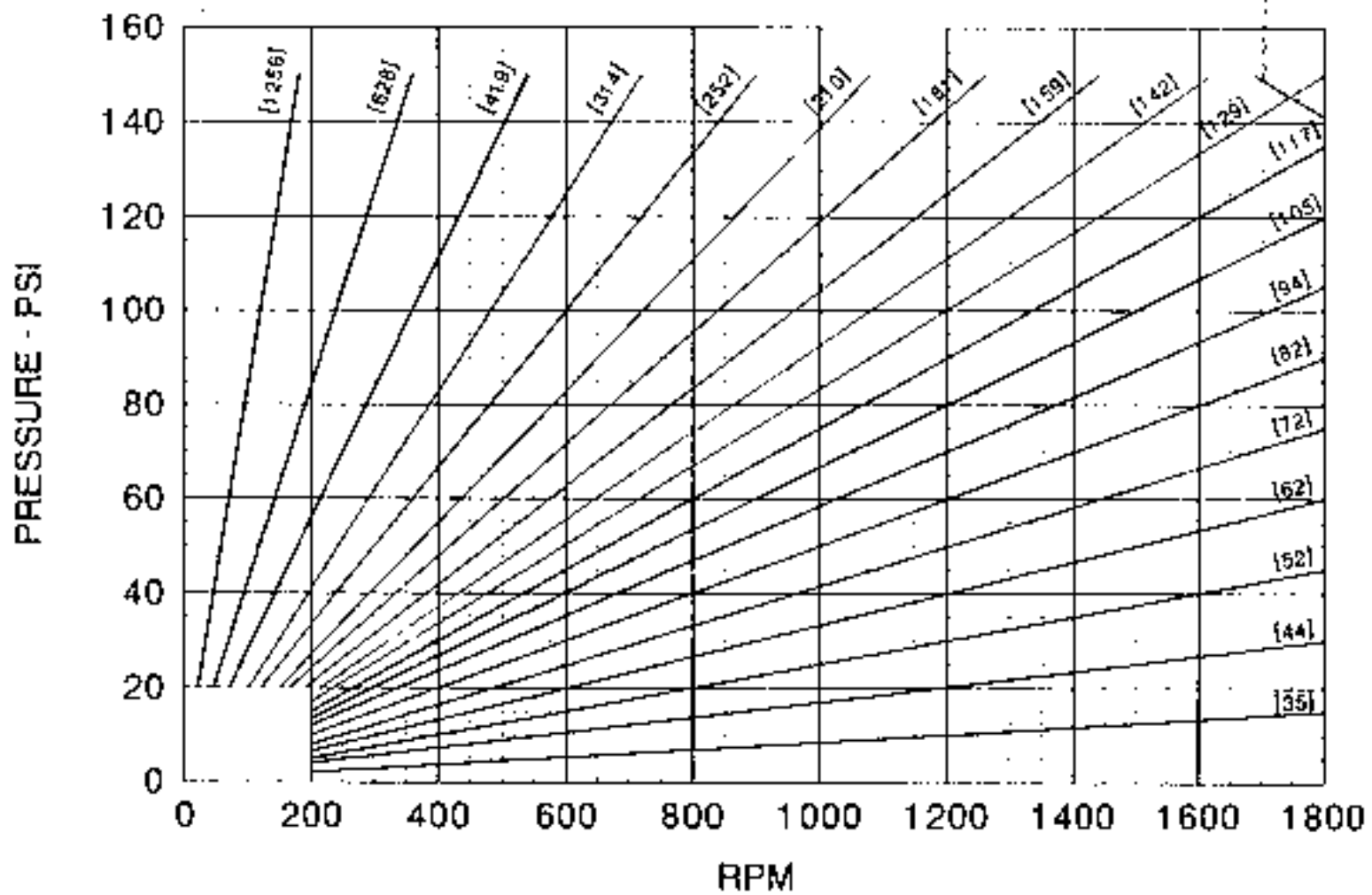




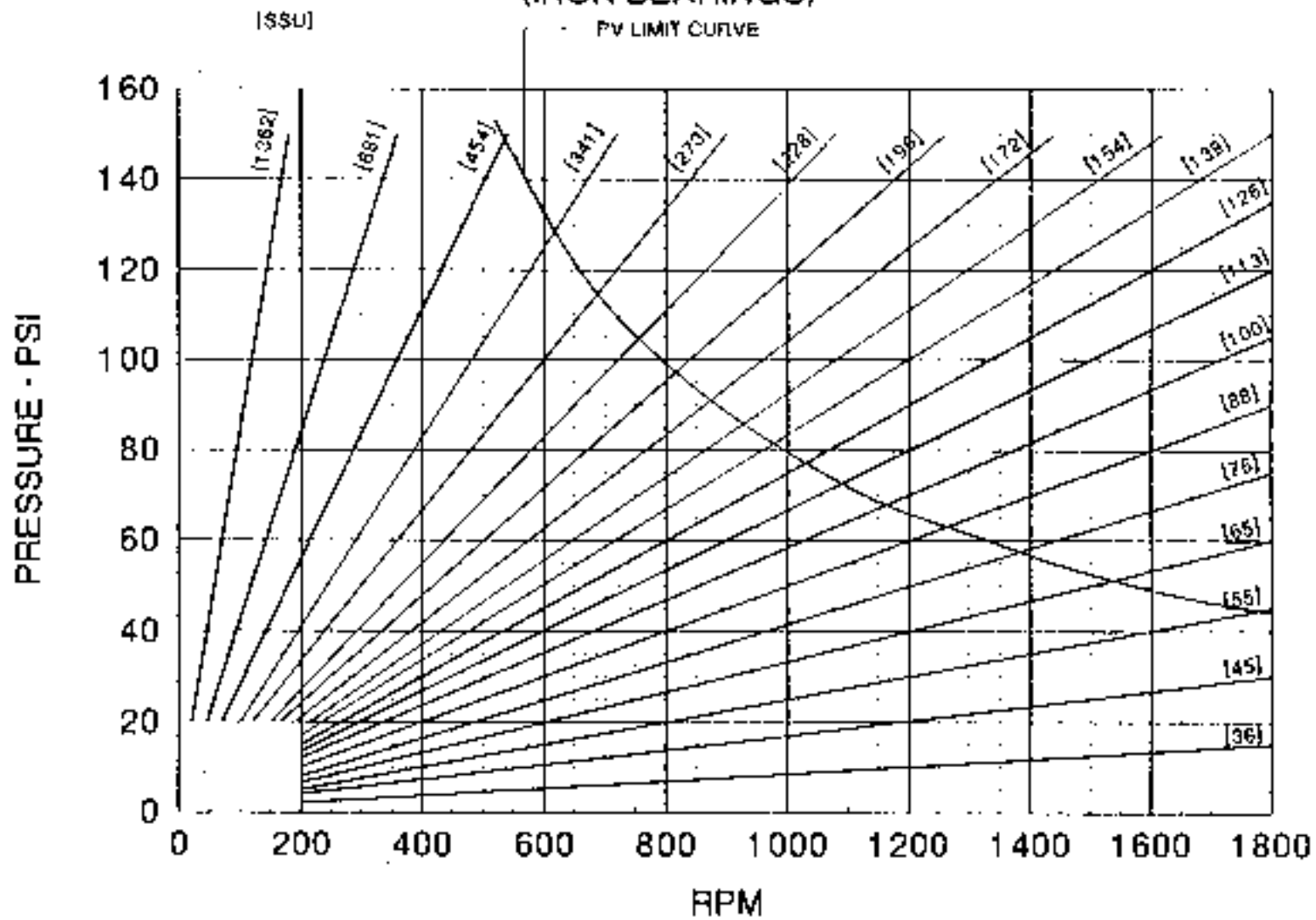
# A16 (CARBON BEARINGS)

ISSU

PV LIMIT CURVE

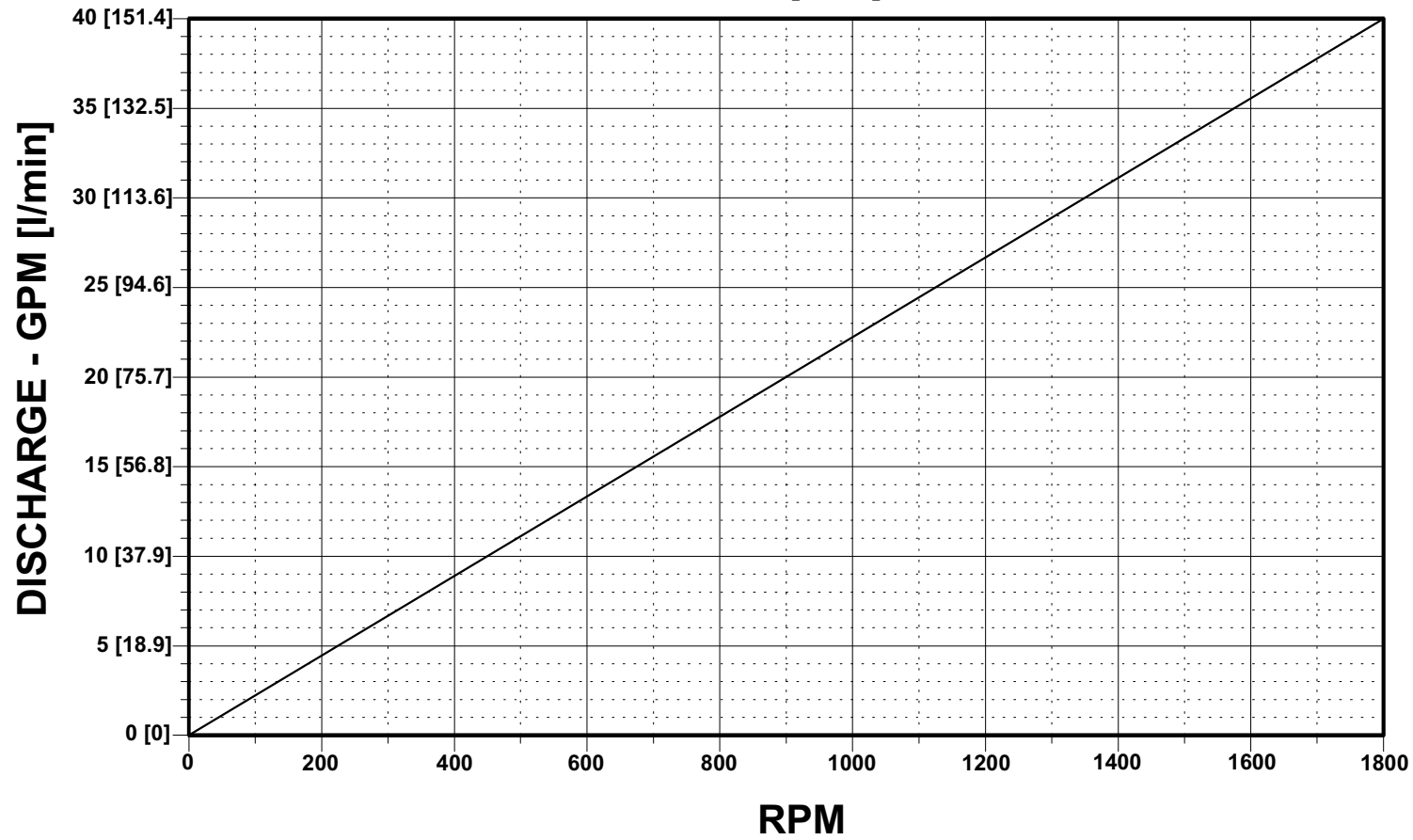


# A16 (IRON BEARINGS)



**SERIES: A21**  
**GRAPH 1**  
**THEORETICAL GPM**

**ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2**

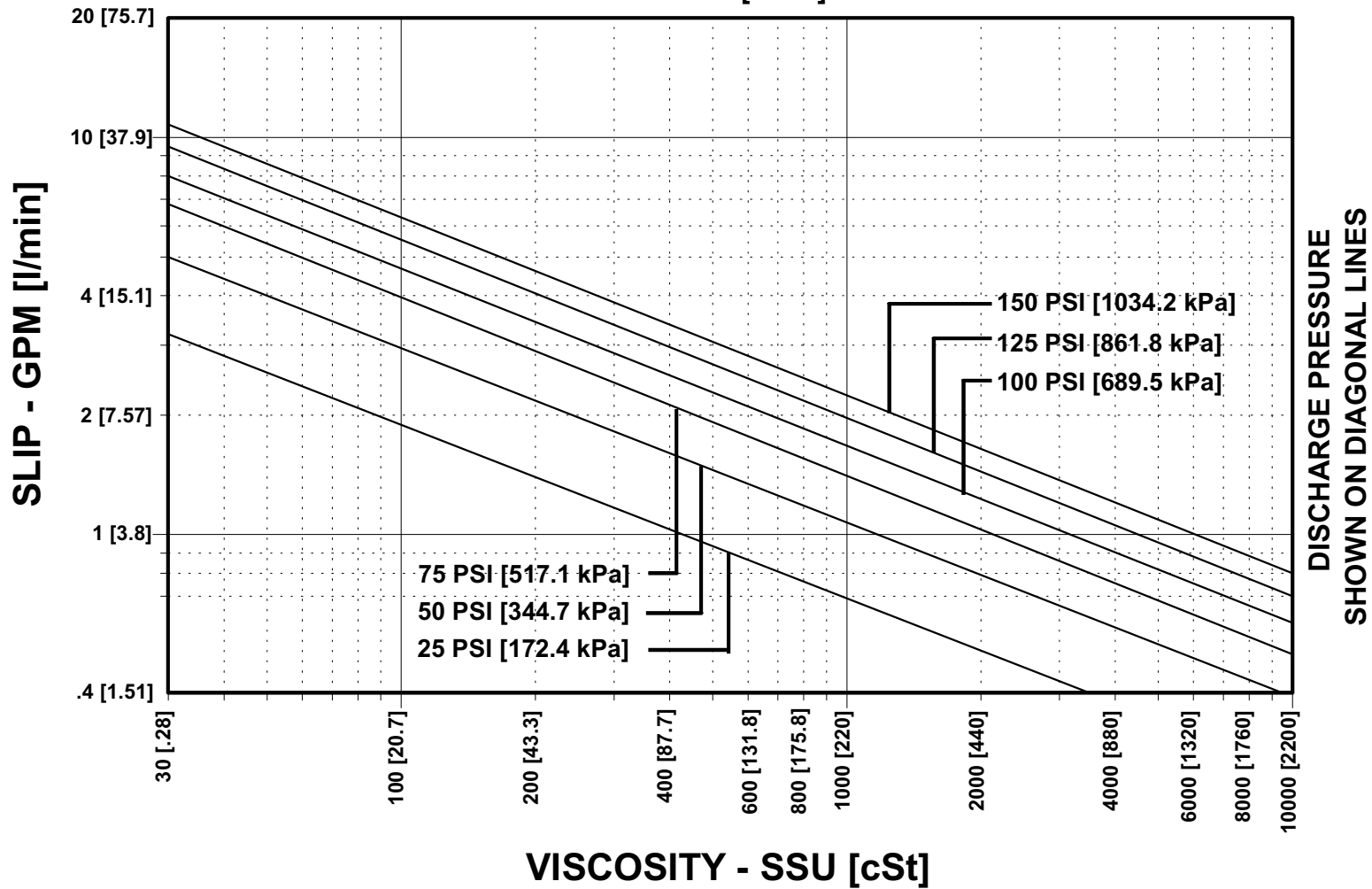


# SERIES: A21

## GRAPH 2

### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

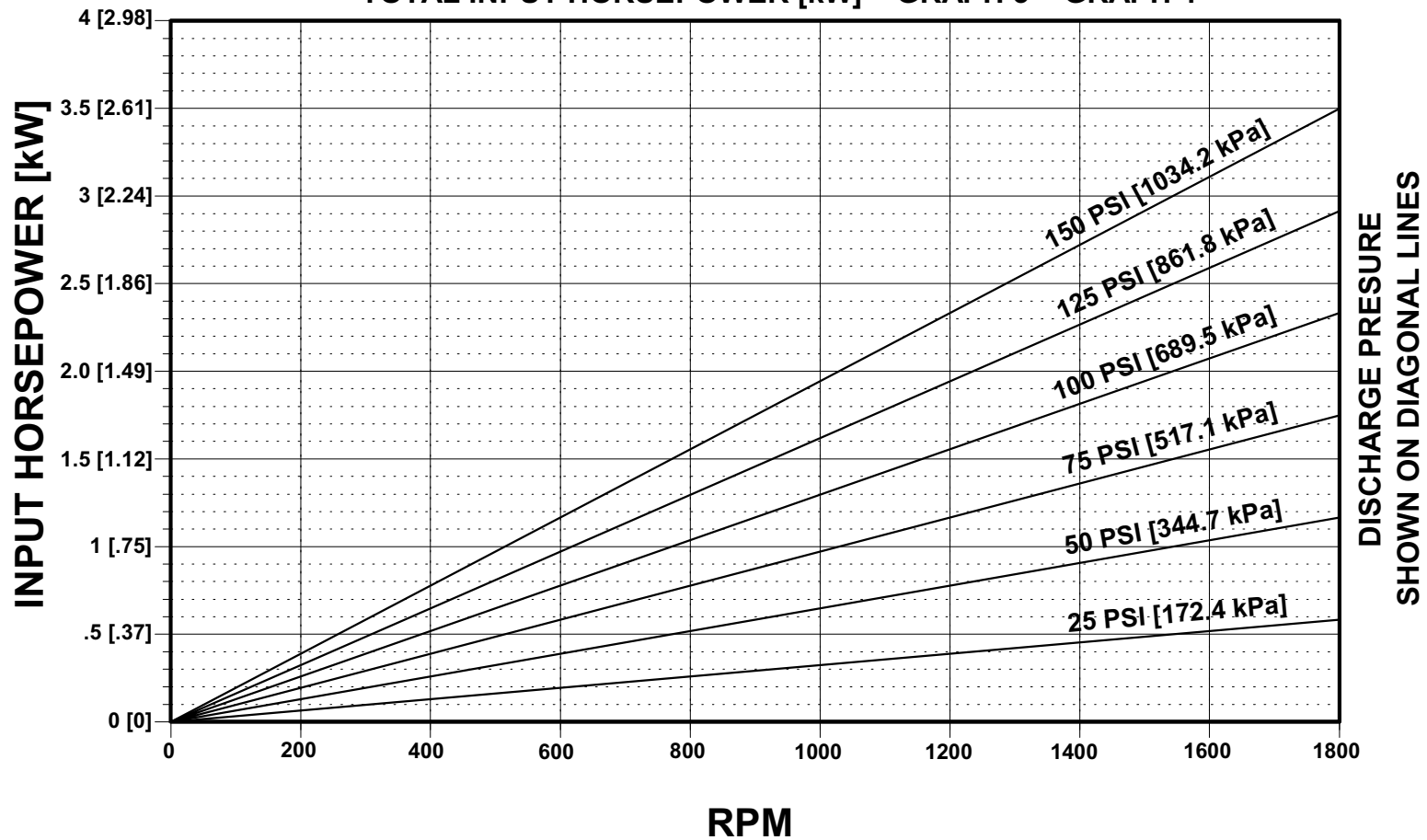


# SERIES: A21

## GRAPH 3

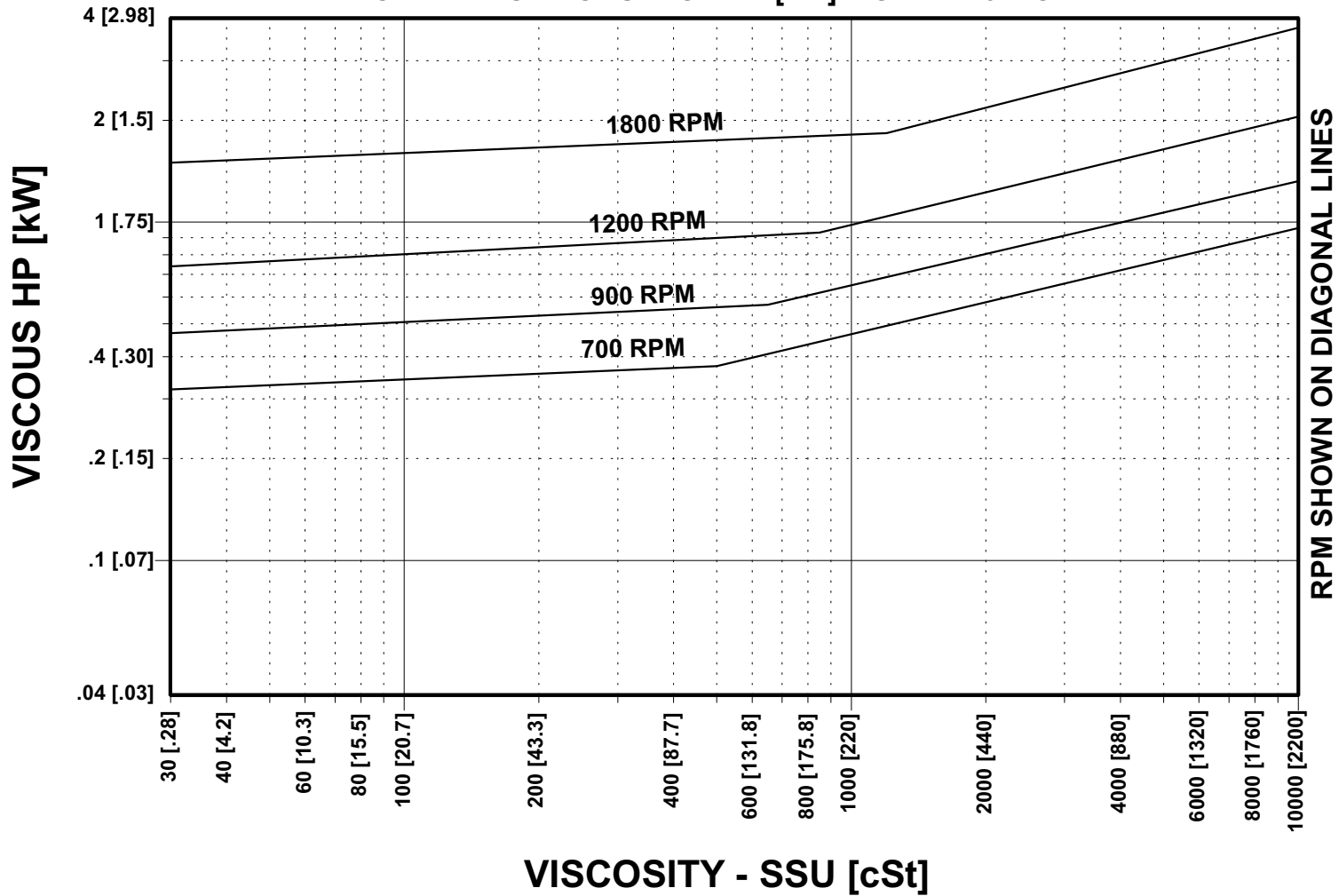
### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# SERIES: A21 GRAPH 4 VISCIOUS HORSEPOWER

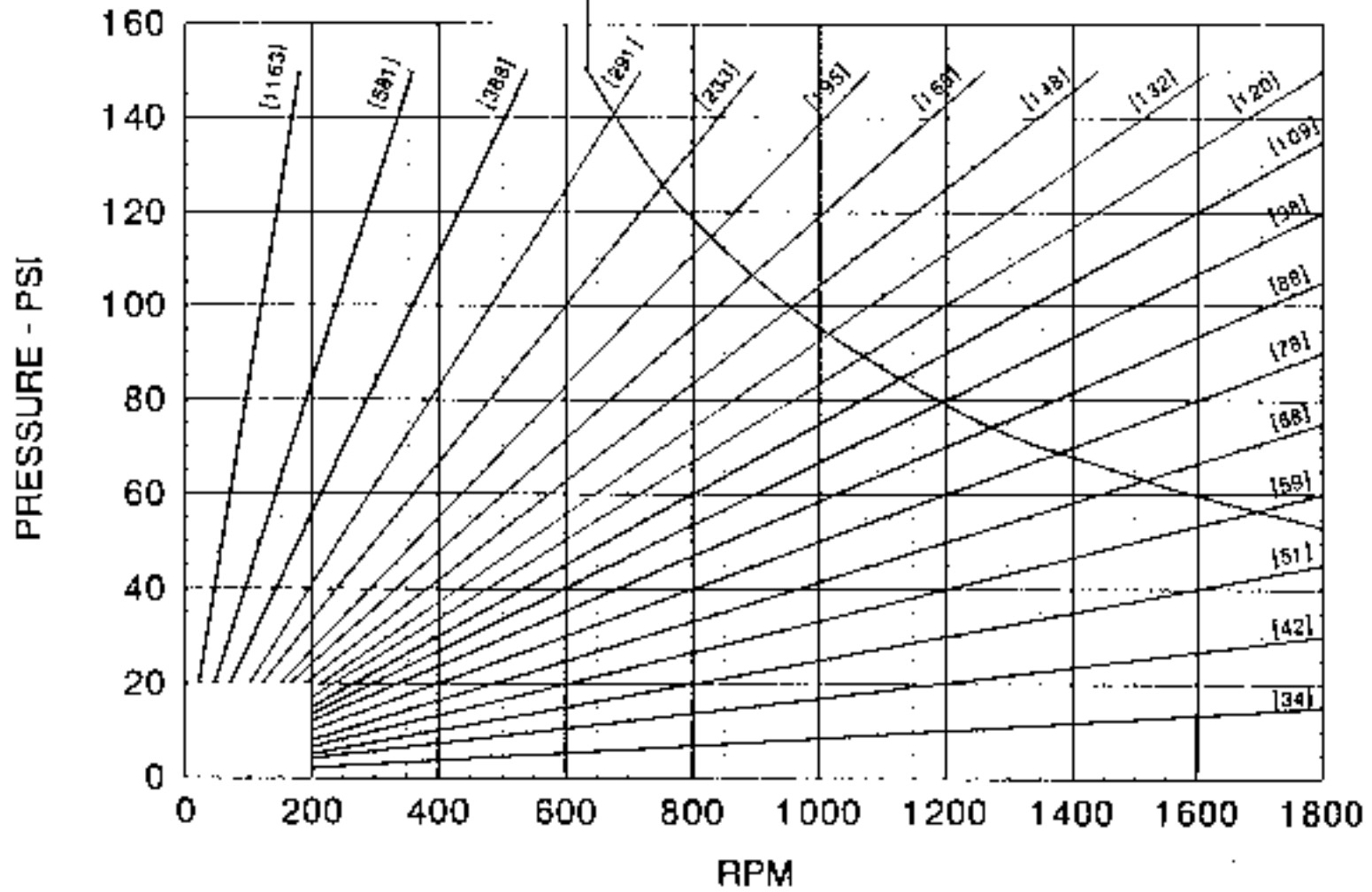
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# A21 (BRONZE BEARINGS)

[55U]

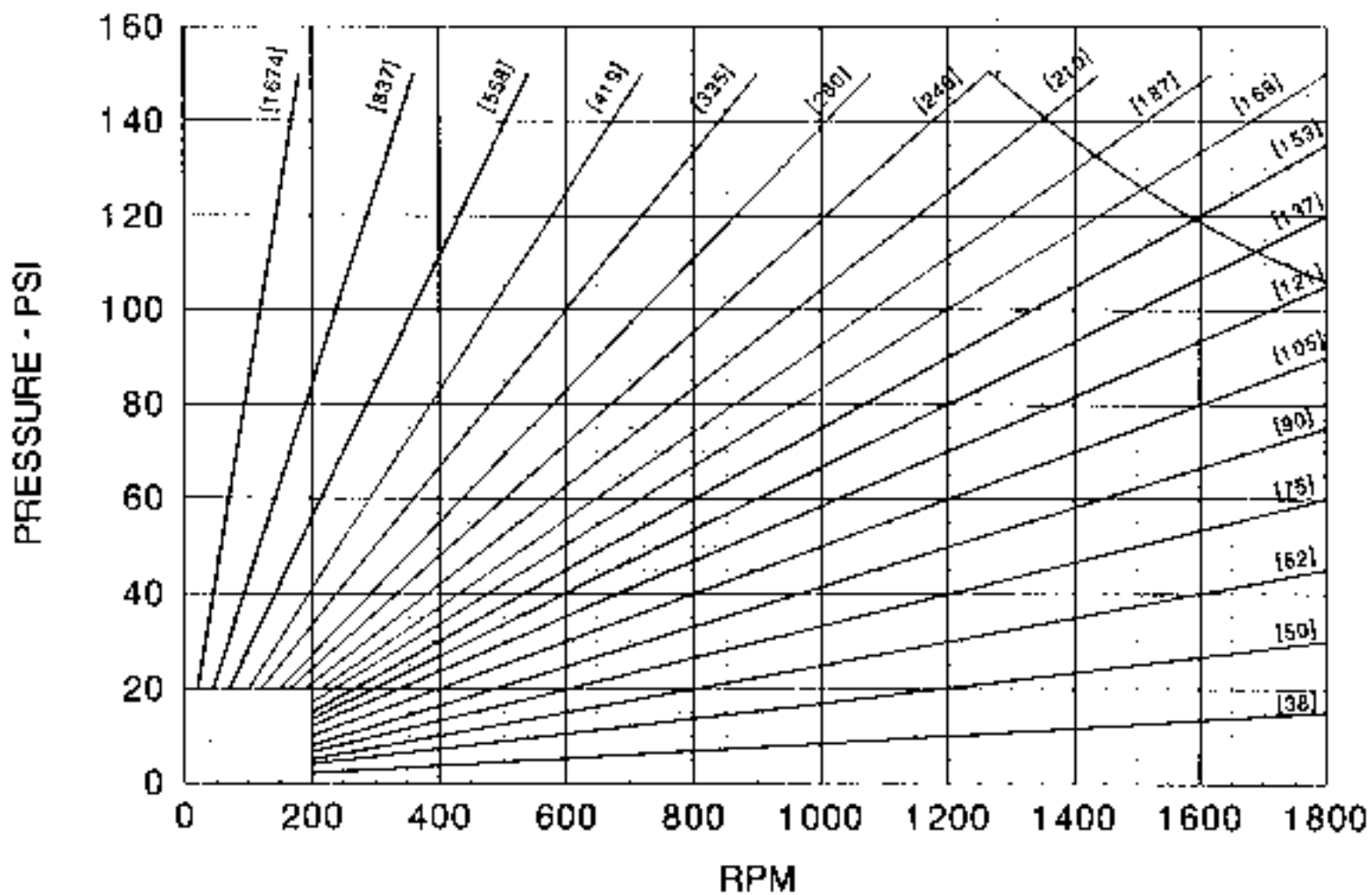
PV LIMIT CURVE



# A21 (CARBON BEARINGS)

[ISSU]

PV LIMIT CURVE

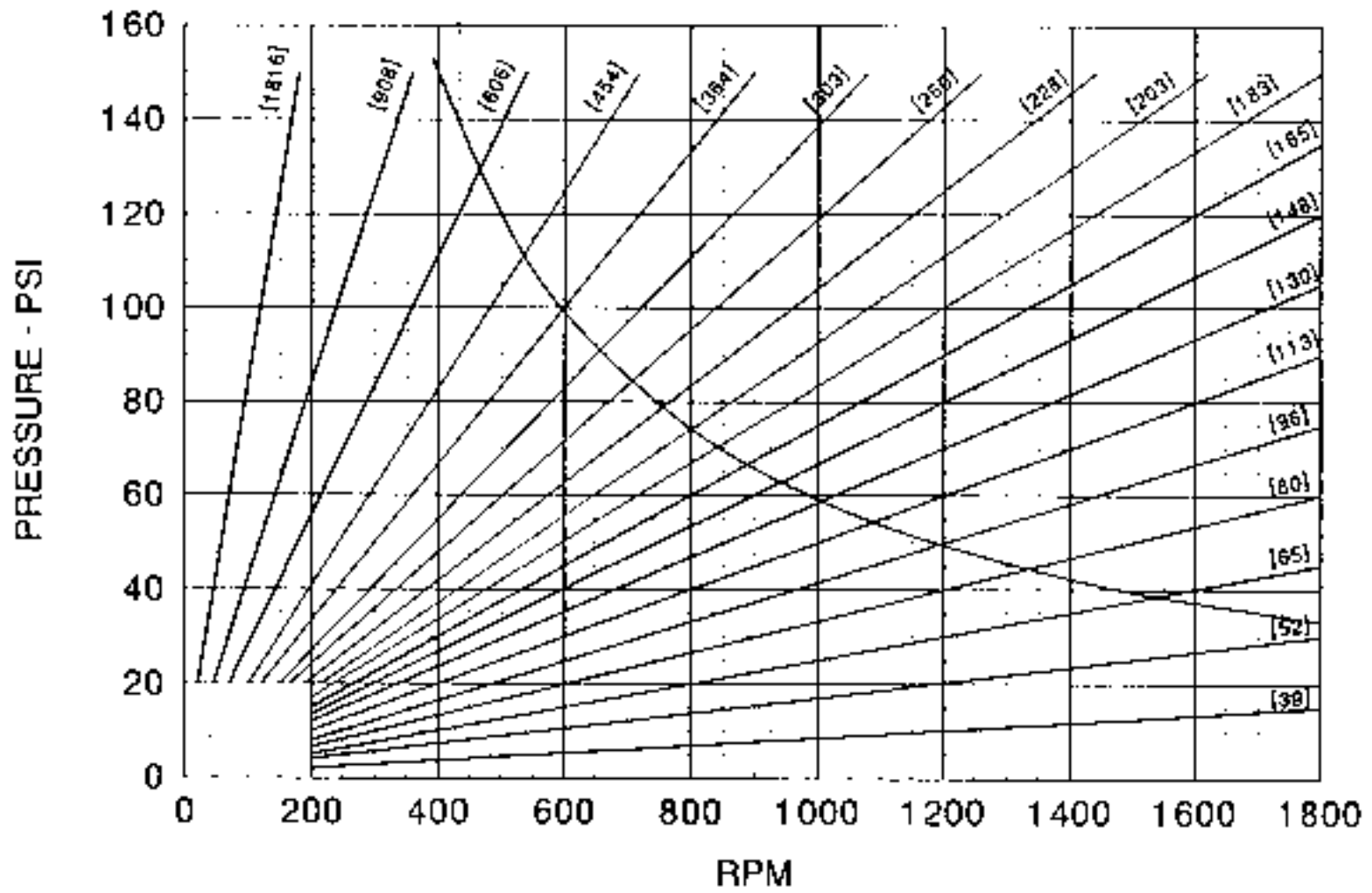




# A21 (IRON BEARINGS)

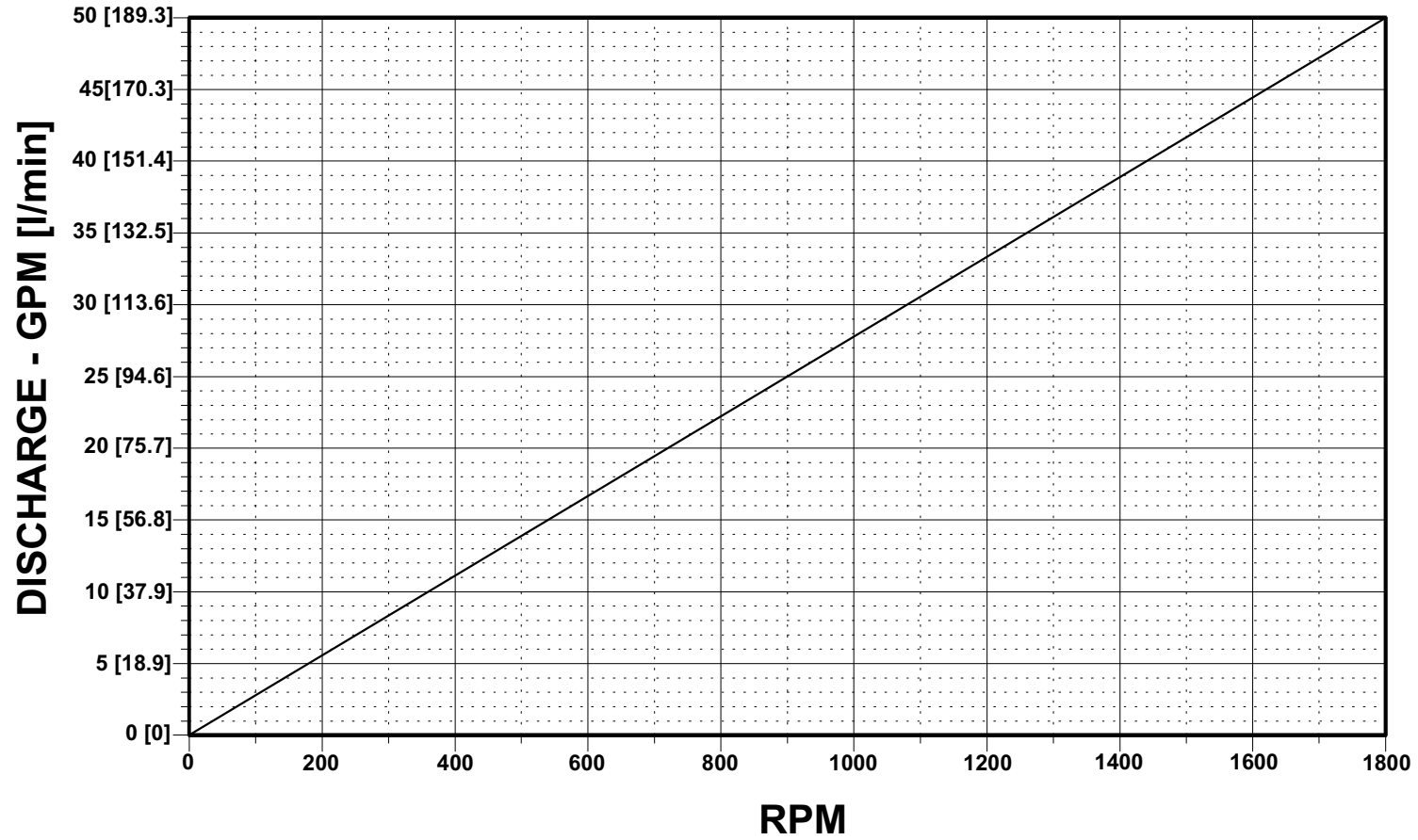
ISSU)

PV LIMIT CURVE



**SERIES: A27**  
**GRAPH 1**  
**THEORETICAL GPM**

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

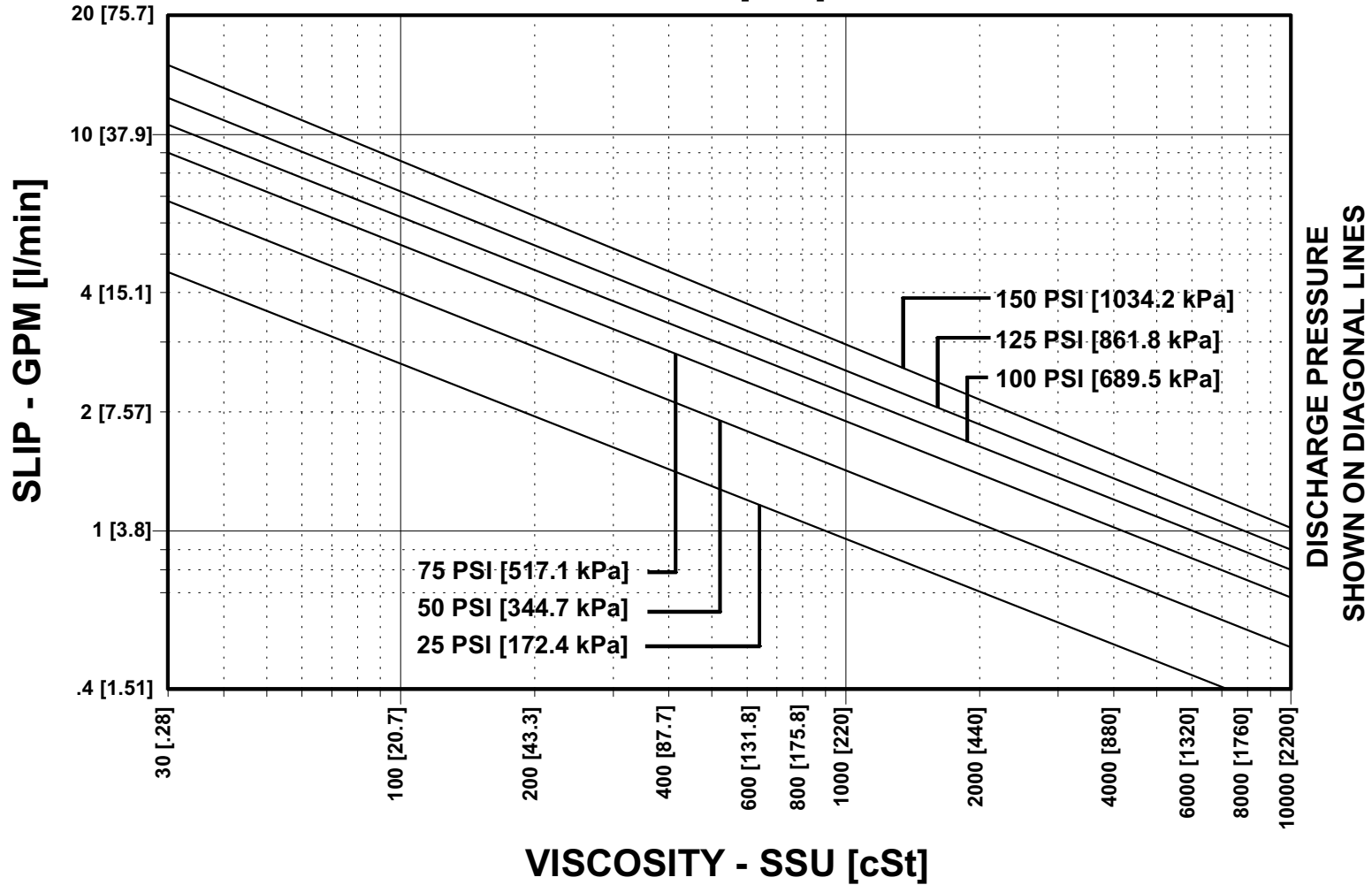


# SERIES: A27

## GRAPH 2

### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

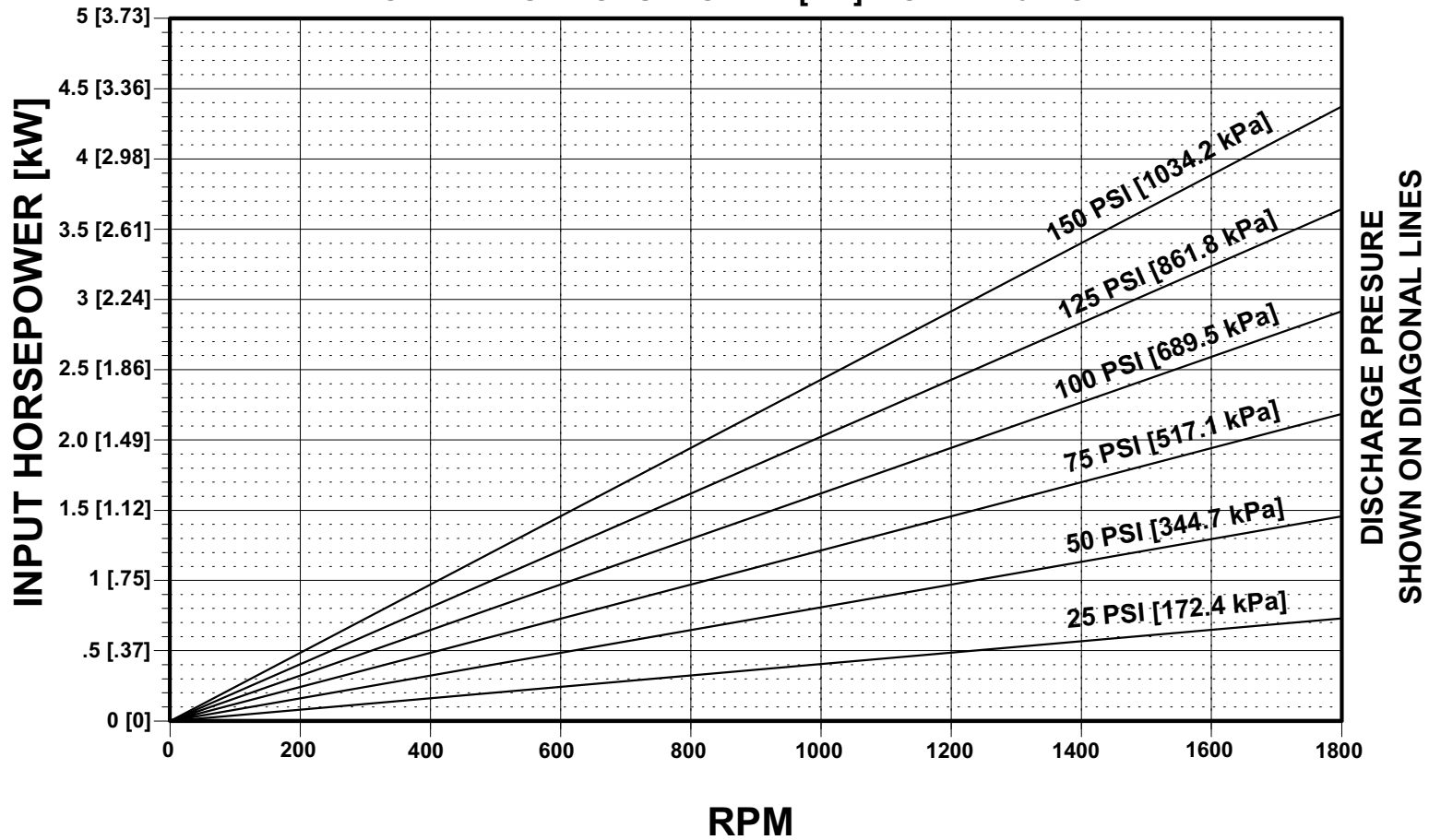


# SERIES: A27

## GRAPH 3

### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

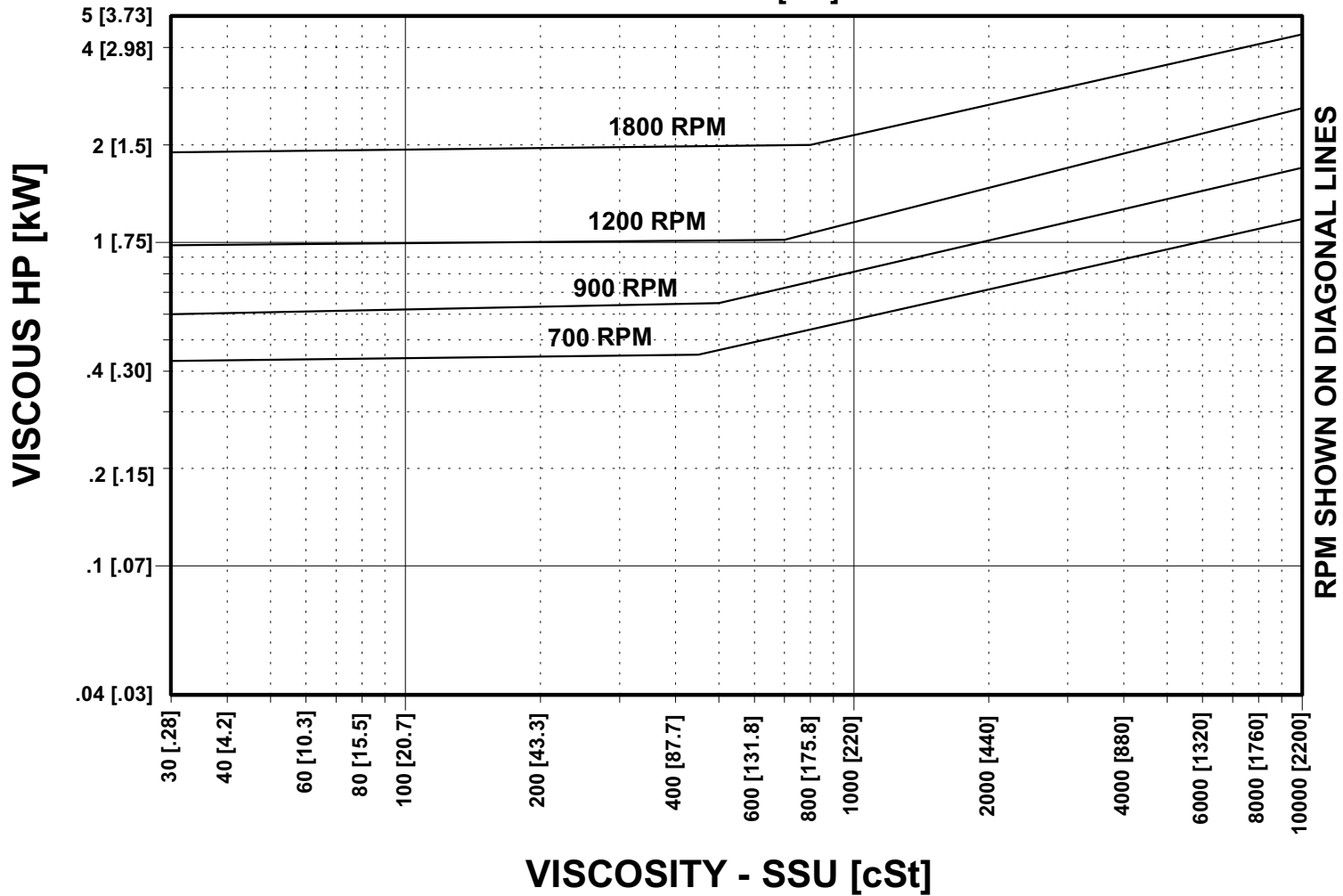


# SERIES: A27

## GRAPH 4

### VISCOUS HORSEPOWER

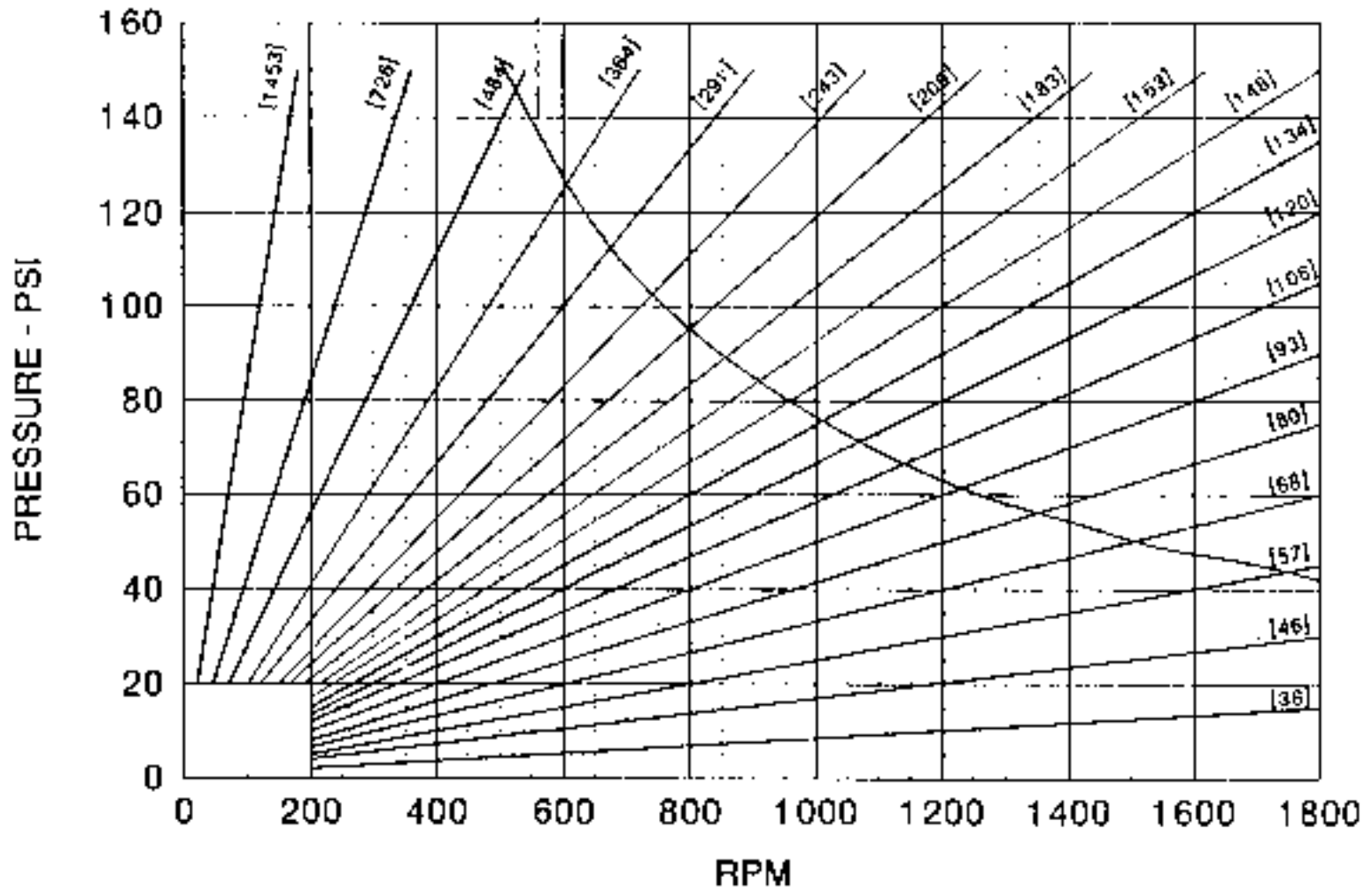
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# A27 (BRONZE BEARINGS)

[SSU]

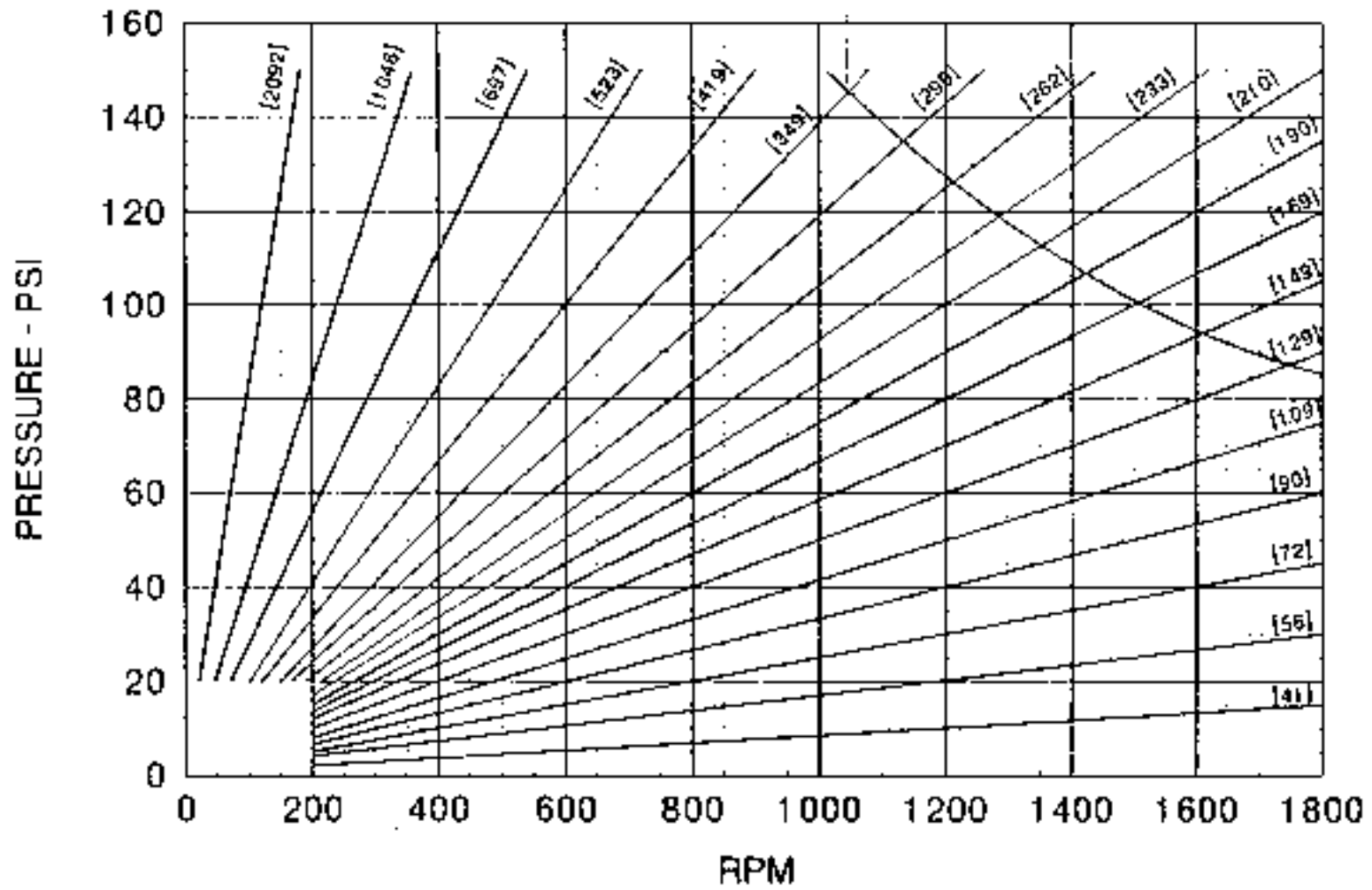
PV LIMIT CURVE



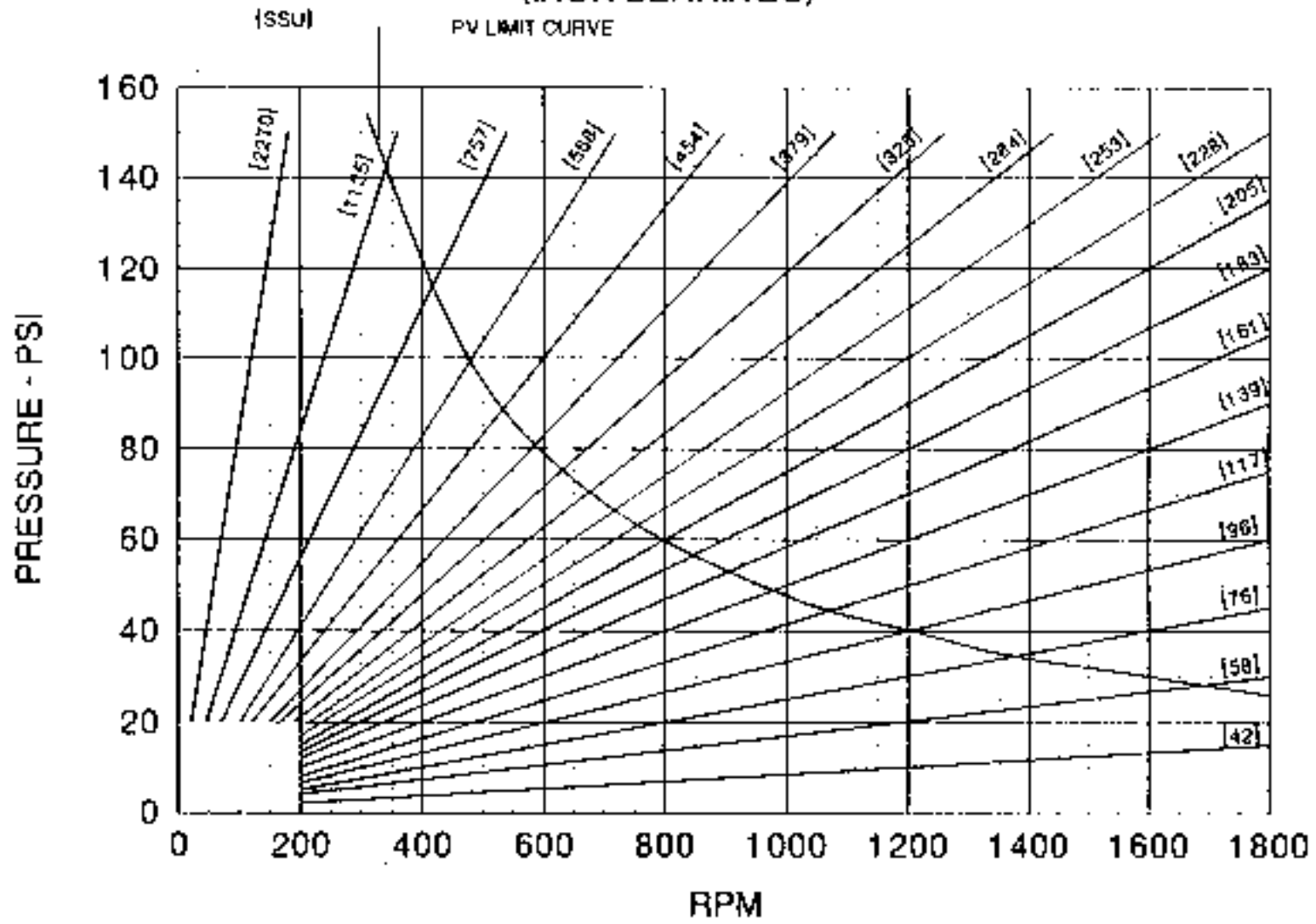
# A27 (CARBON BEARINGS)

[SSU]

PV LIMIT CURVE



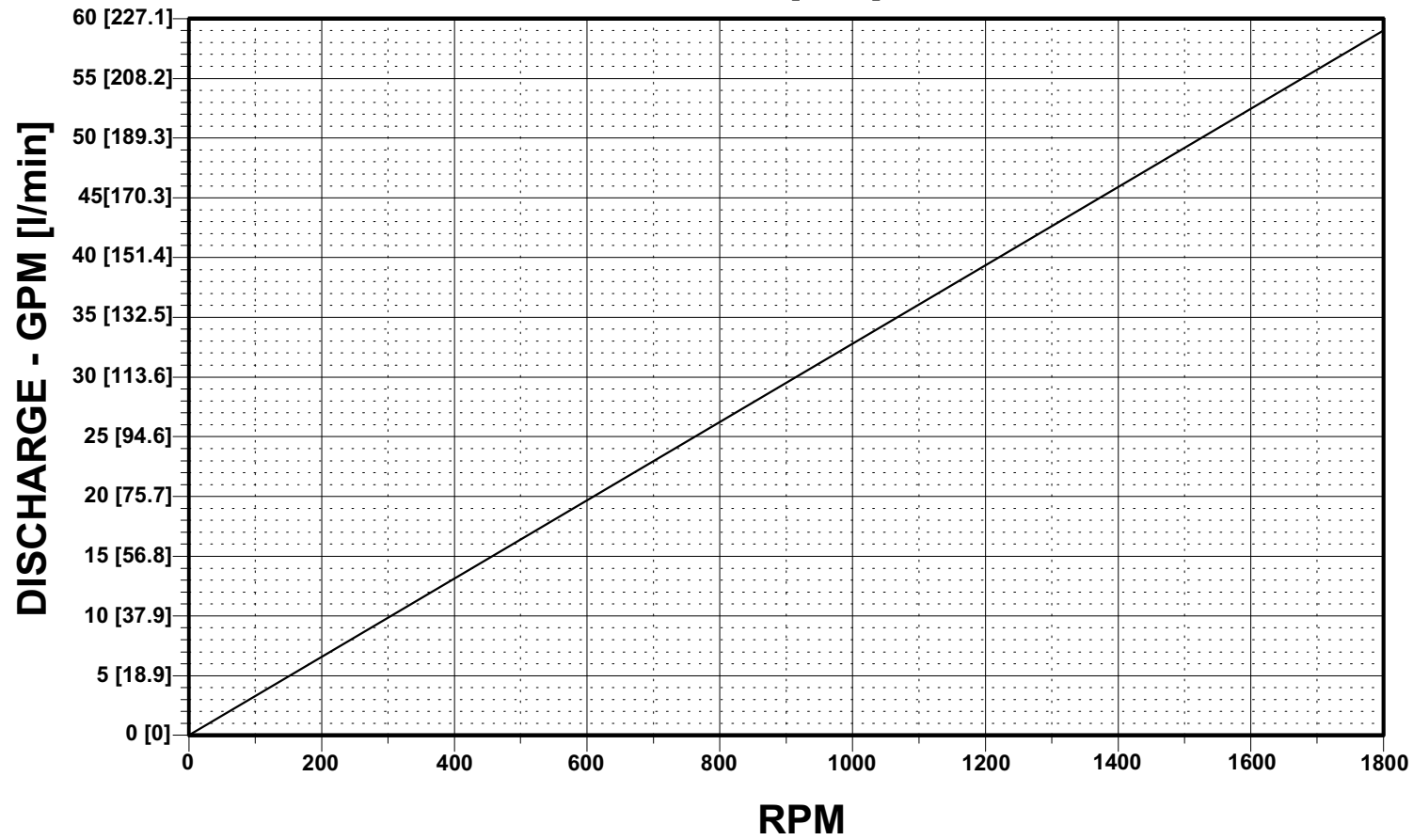
# A27 (IRON BEARINGS)





**SERIES: A32**  
**GRAPH 1**  
**THEORETICAL GPM**

**ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2**

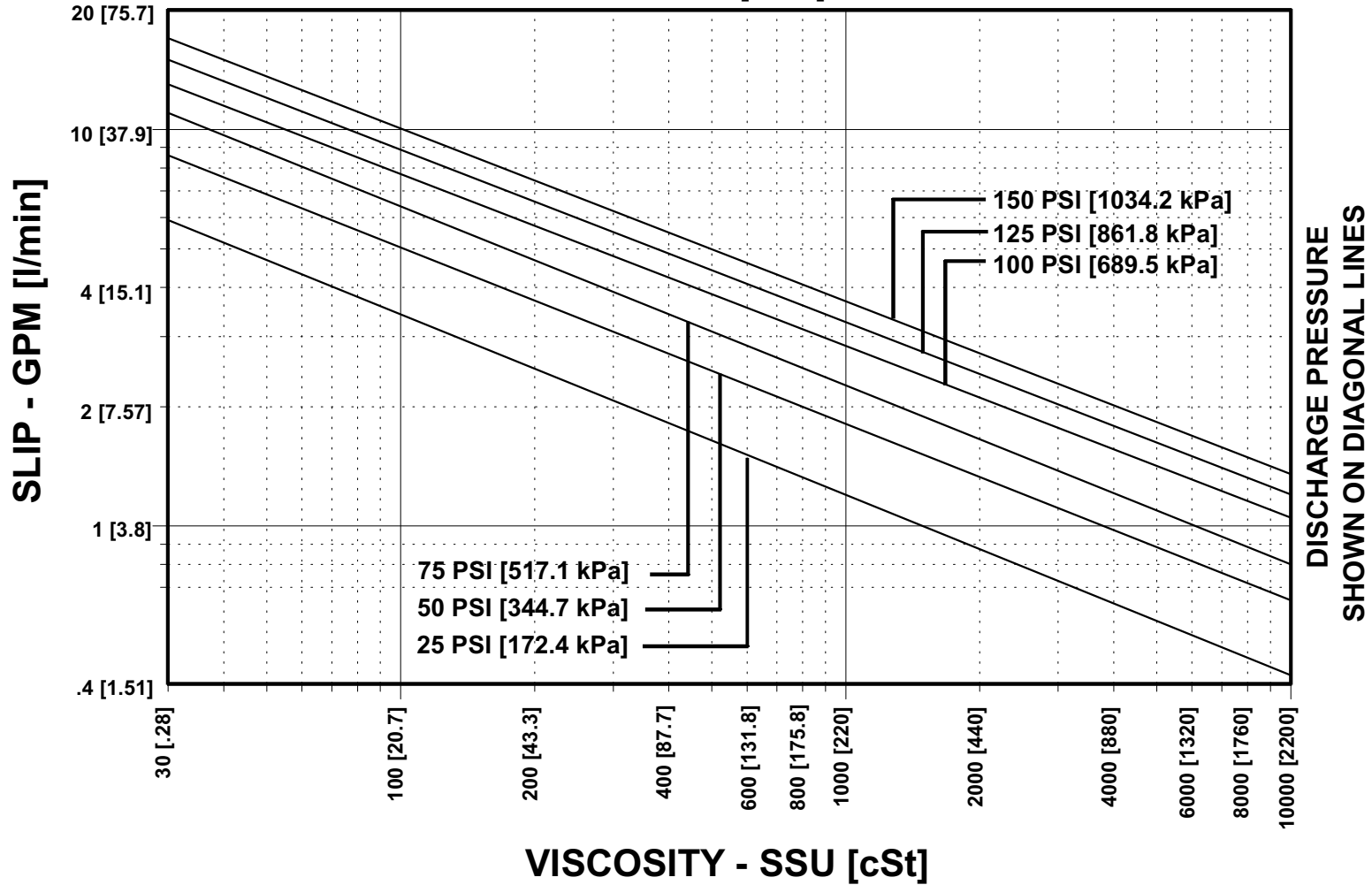


# SERIES: A32

## GRAPH 2

### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

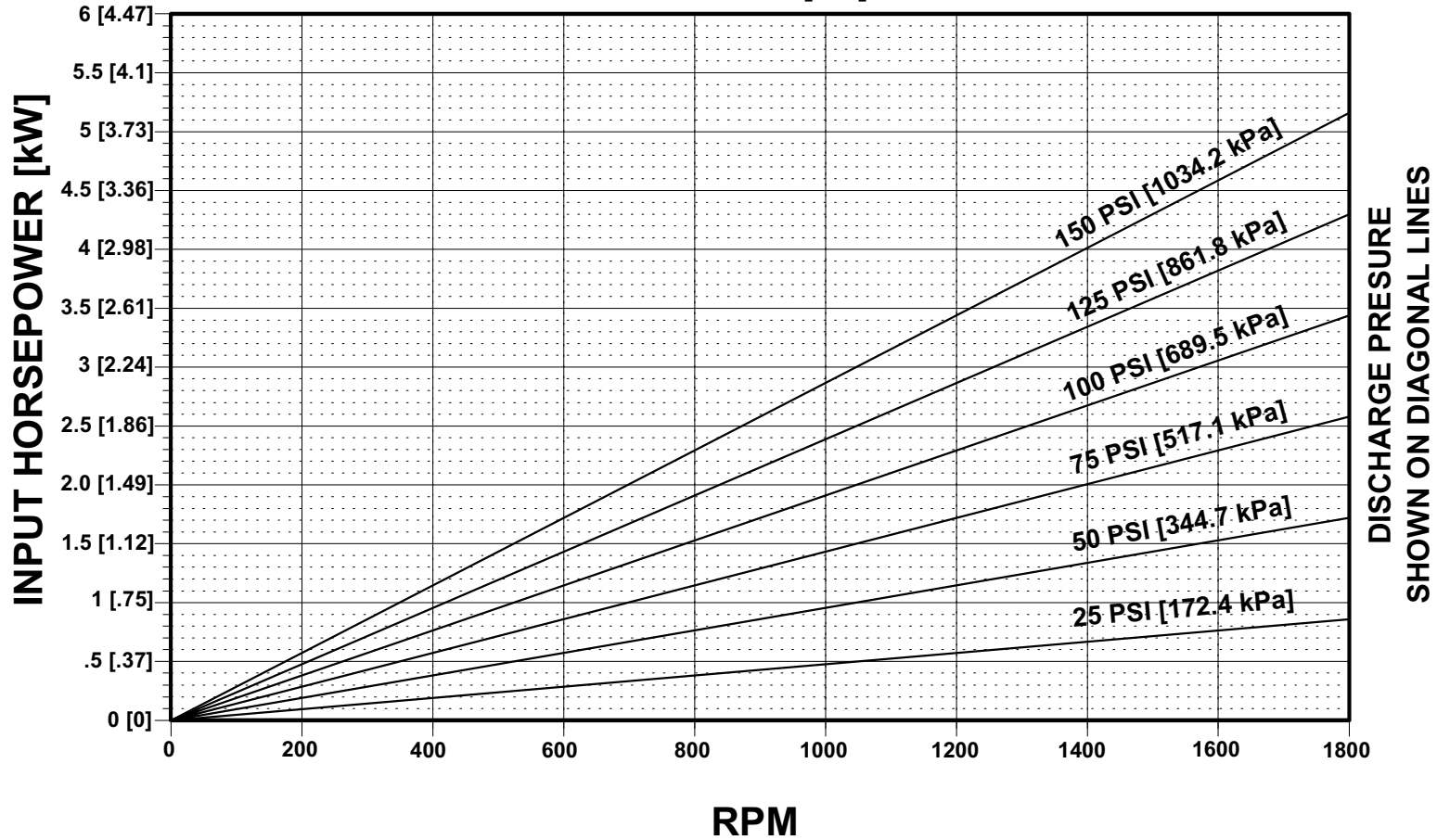


# SERIES: A32

## GRAPH 3

### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4

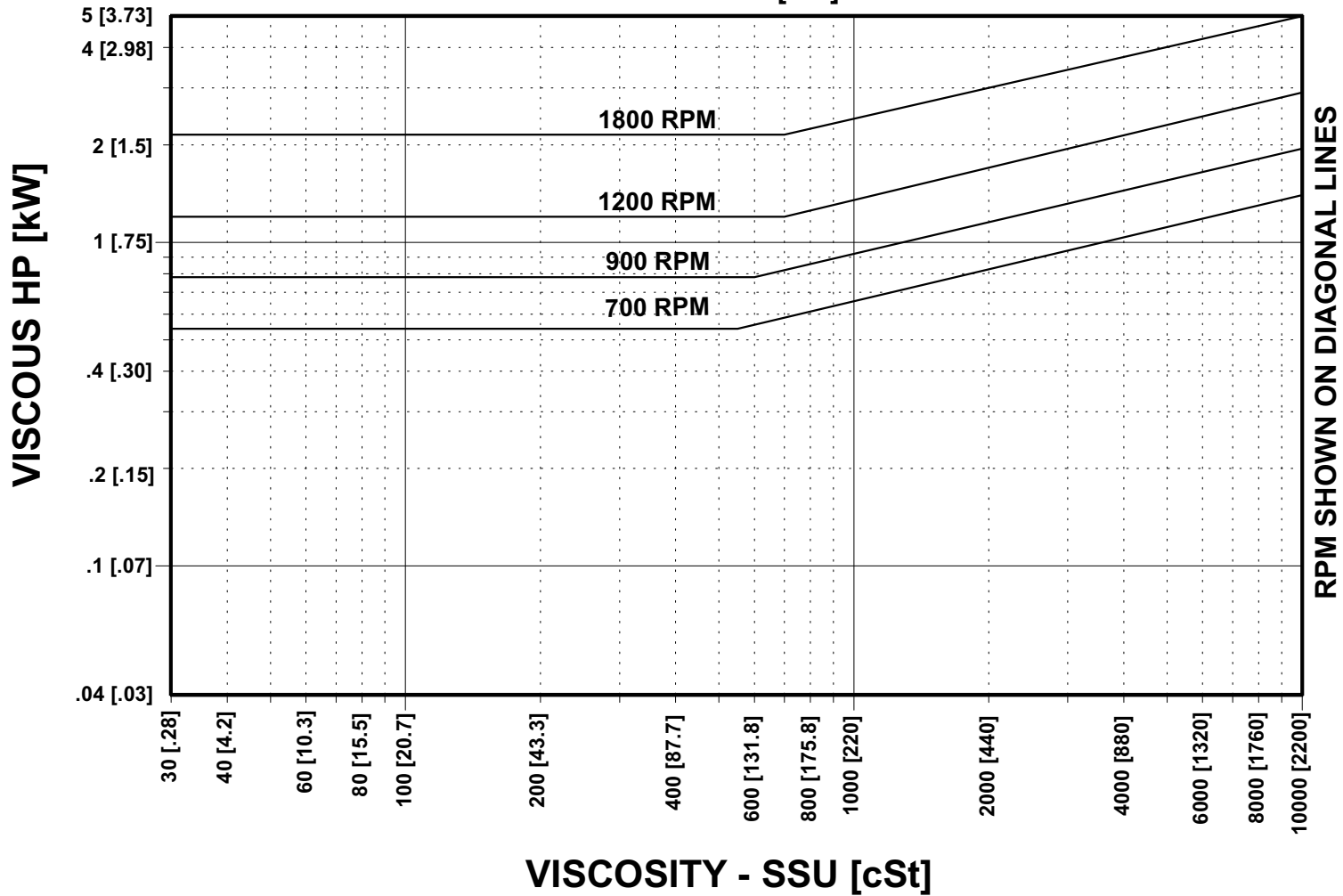


# SERIES: A32

## GRAPH 4

### VISCOUS HORSEPOWER

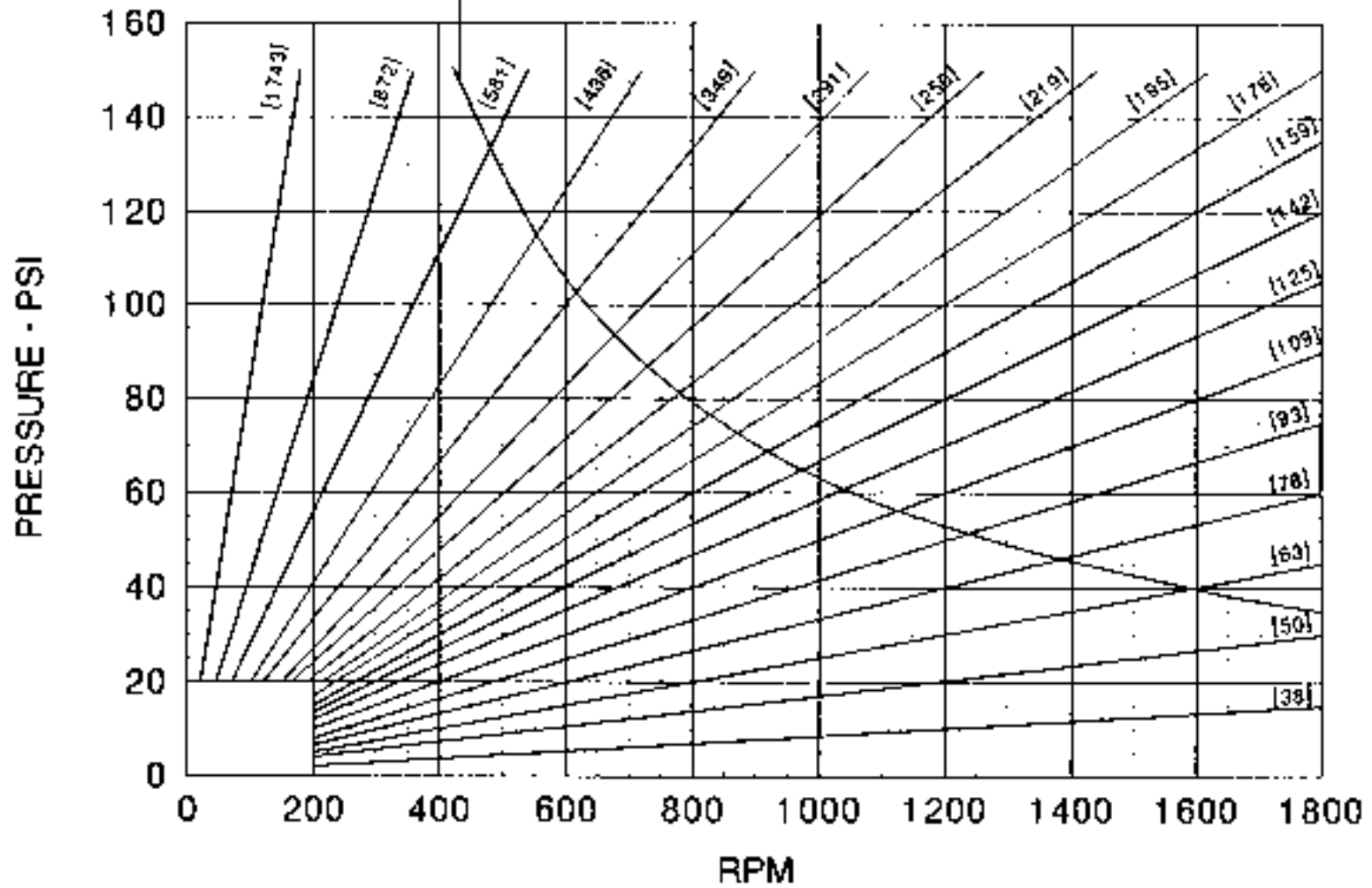
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



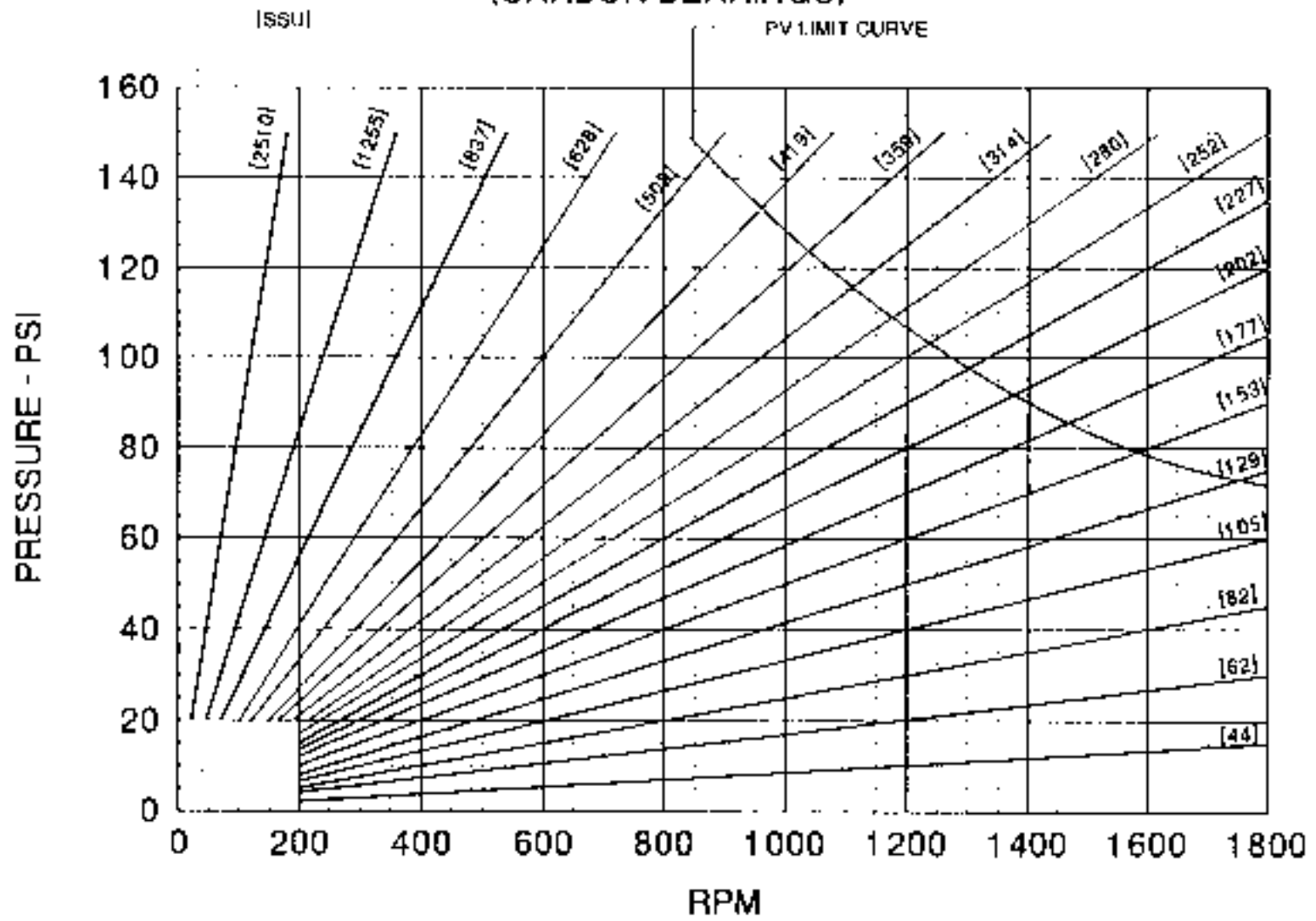
# A32 (BRONZE BEARINGS)

{SSU}

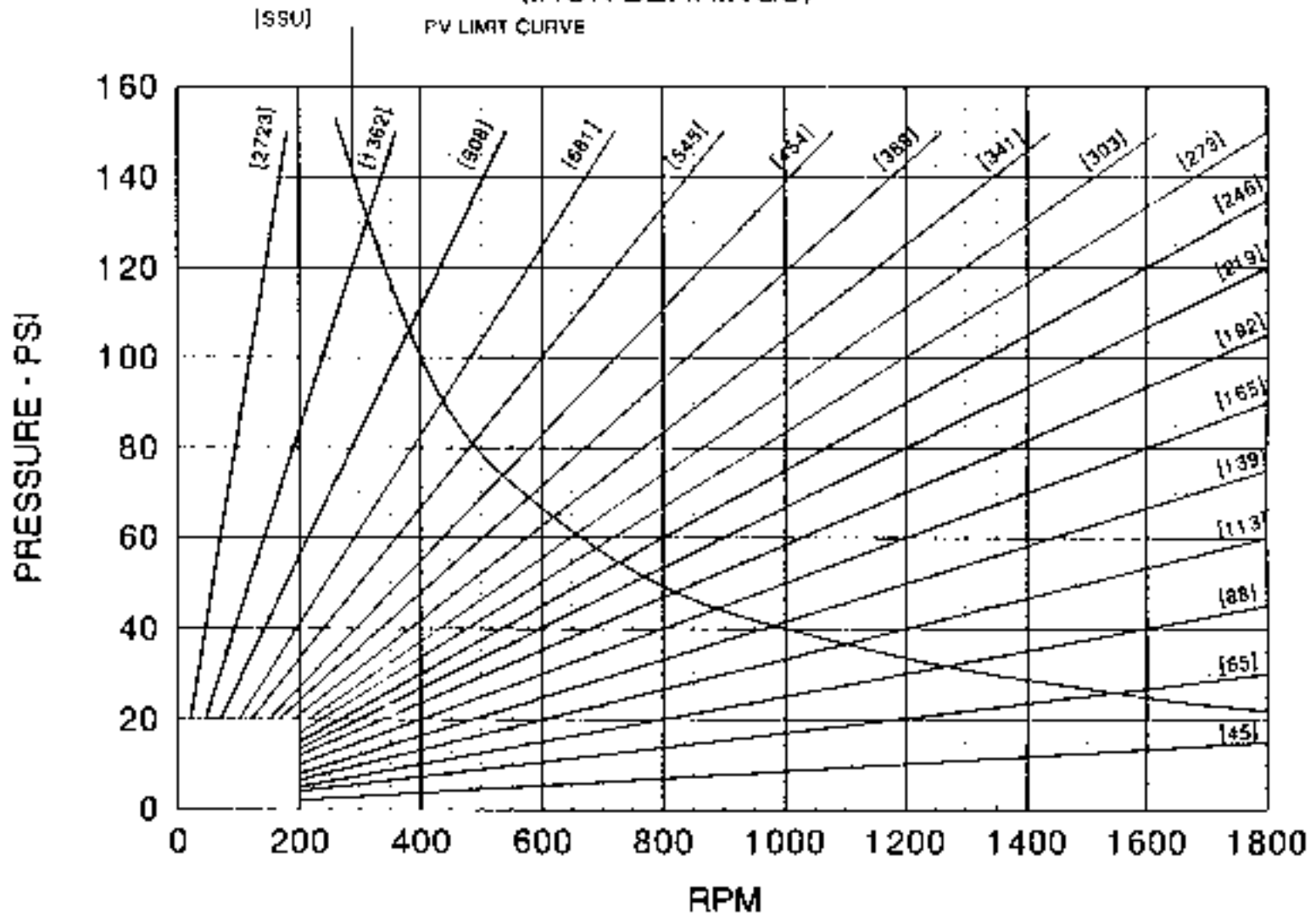
PV LIMIT CURVE



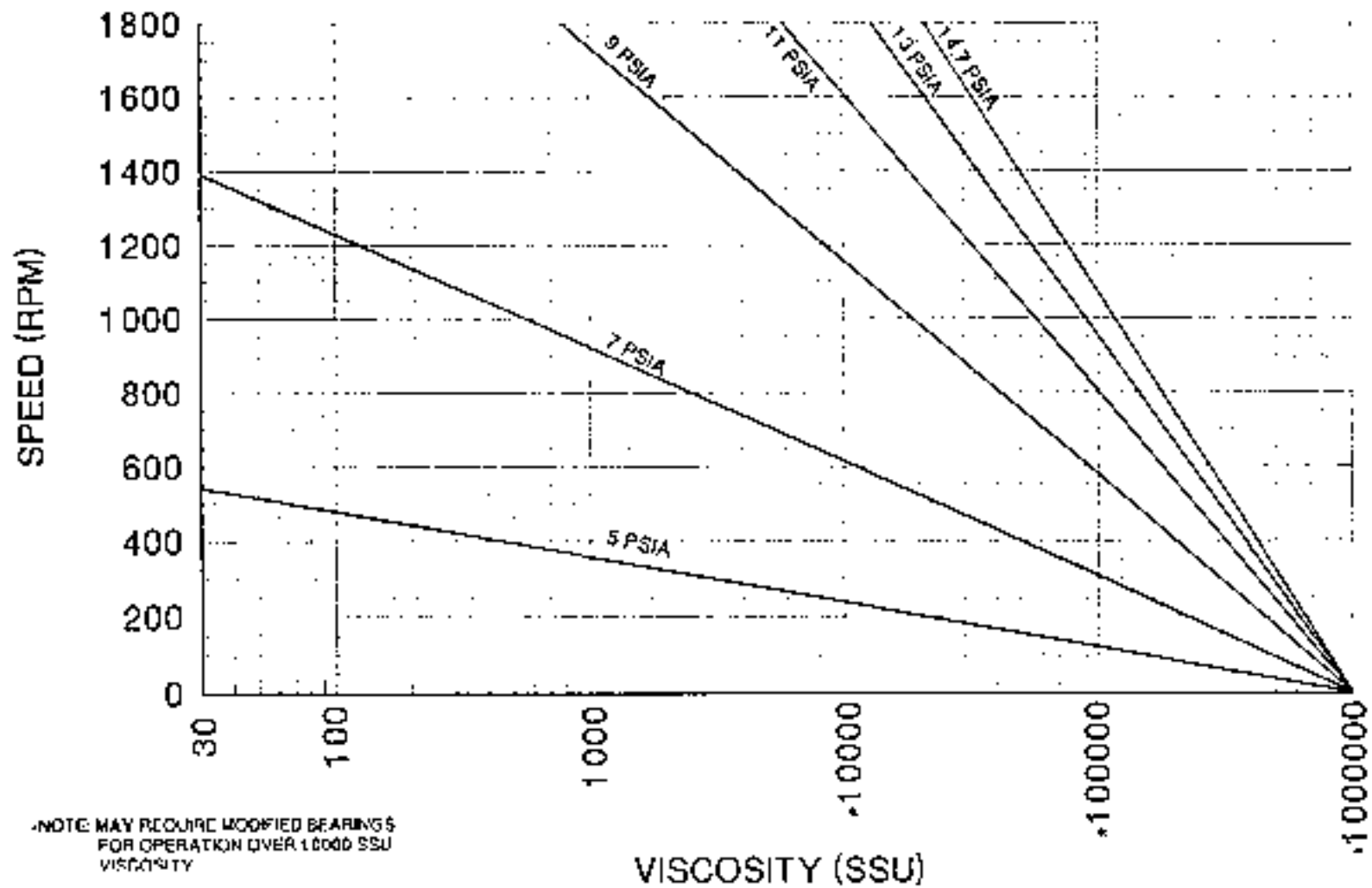
# A32 (CARBON BEARINGS)



# A32 (IRON BEARINGS)



# AP 40, AM 40 REQUIRED NET INLET PRESSURE

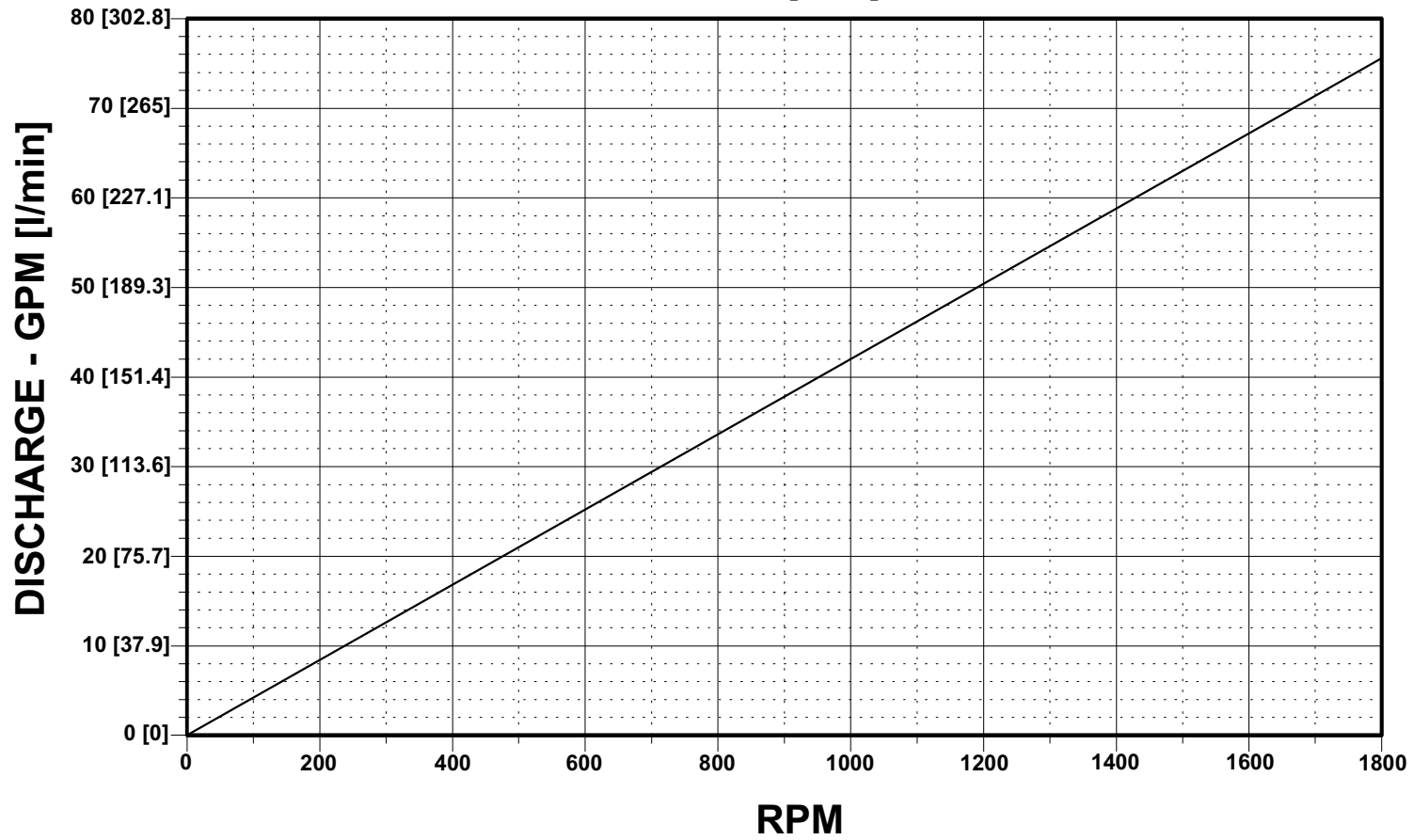


NOTE: MAY REQUIRE MODIFIED BEARINGS  
FOR OPERATION OVER 10000 SSU  
VISCOSITY



**SERIES: A40**  
**GRAPH 1**  
**THEORETICAL GPM**

**ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2**

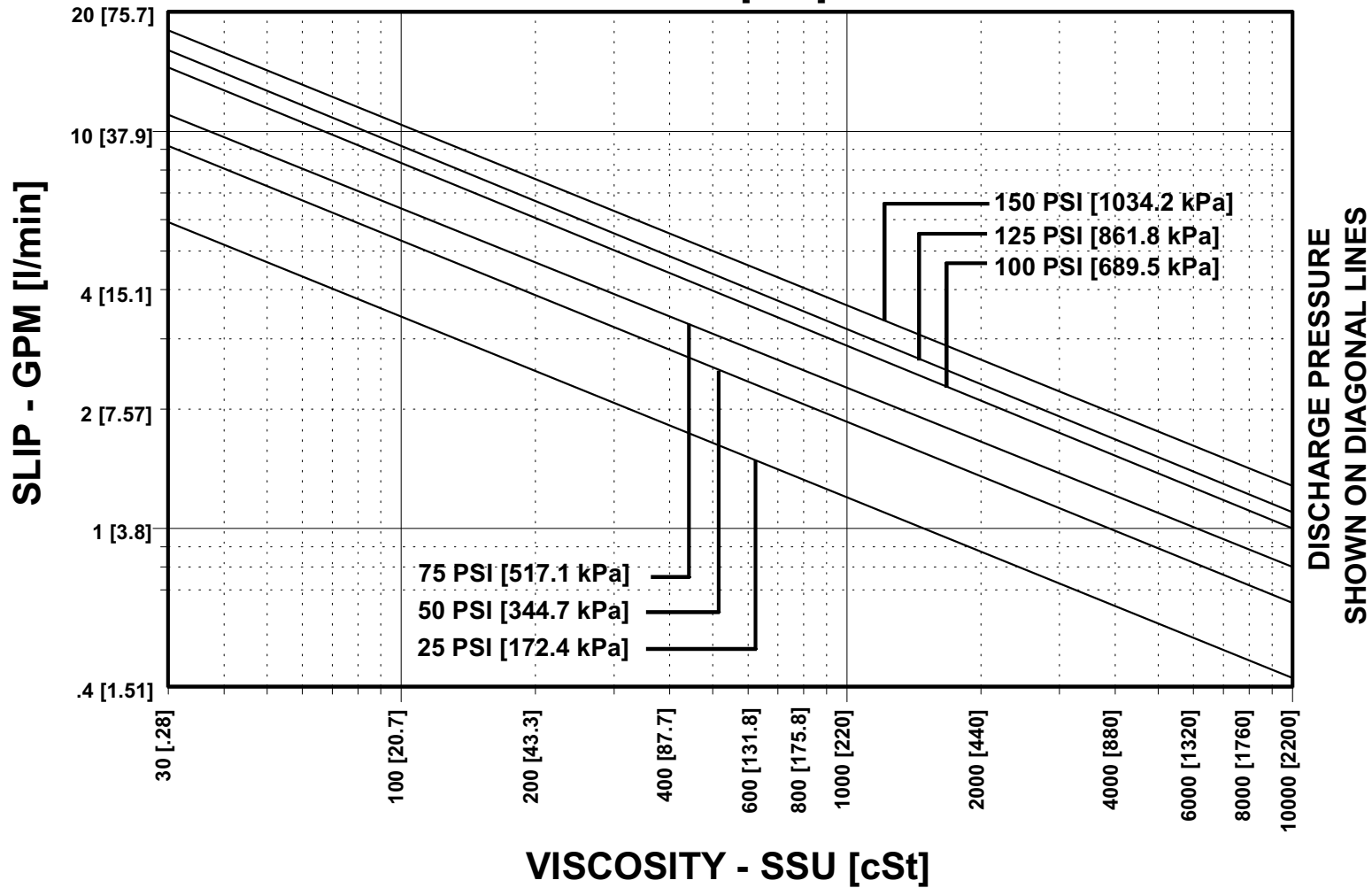


# SERIES: A40

## GRAPH 2

### SLIP

ACTUAL DELIVERY IN GPM [l/min] = GRAPH 1 - GRAPH 2

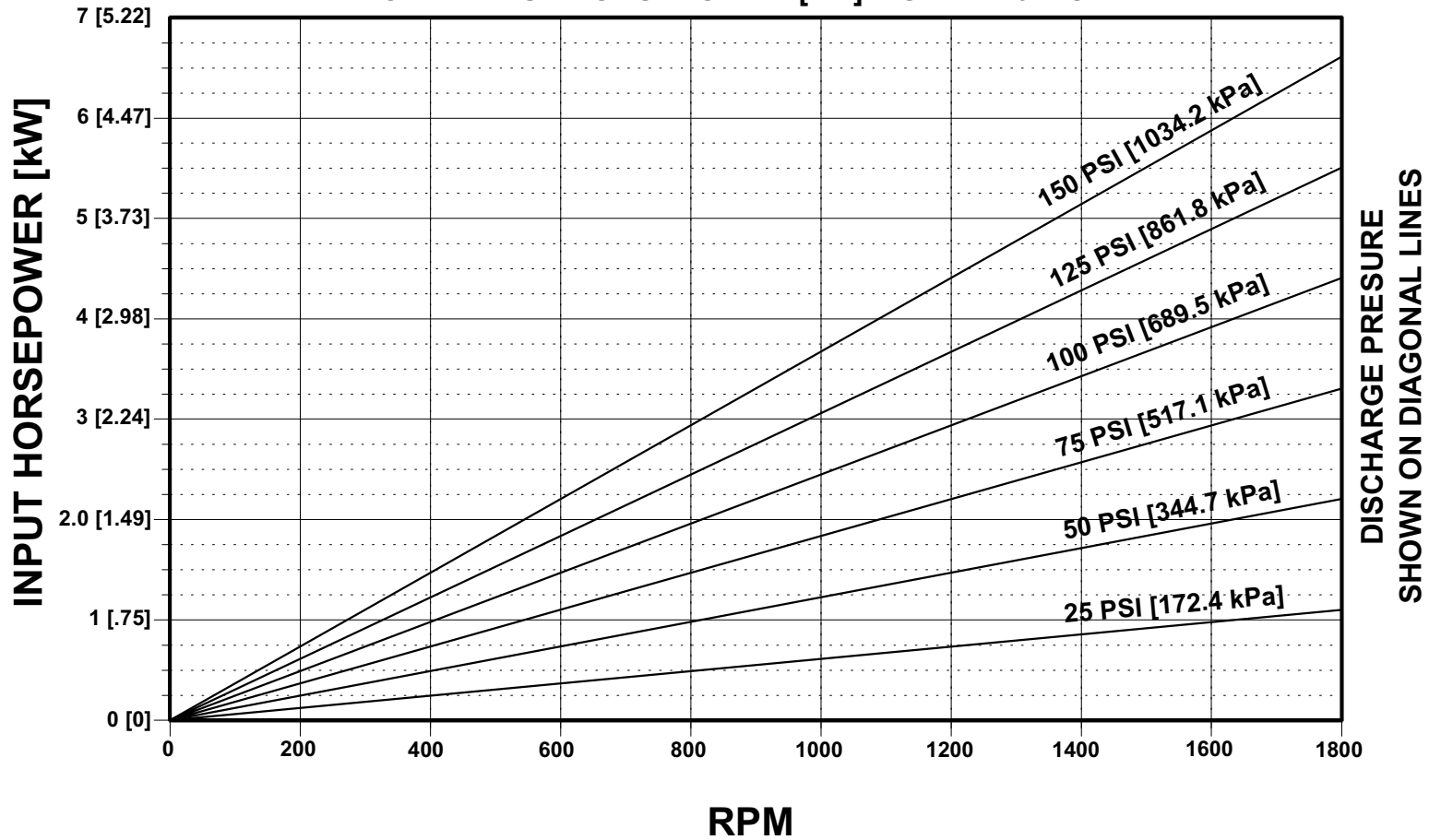


# SERIES: A40

## GRAPH 3

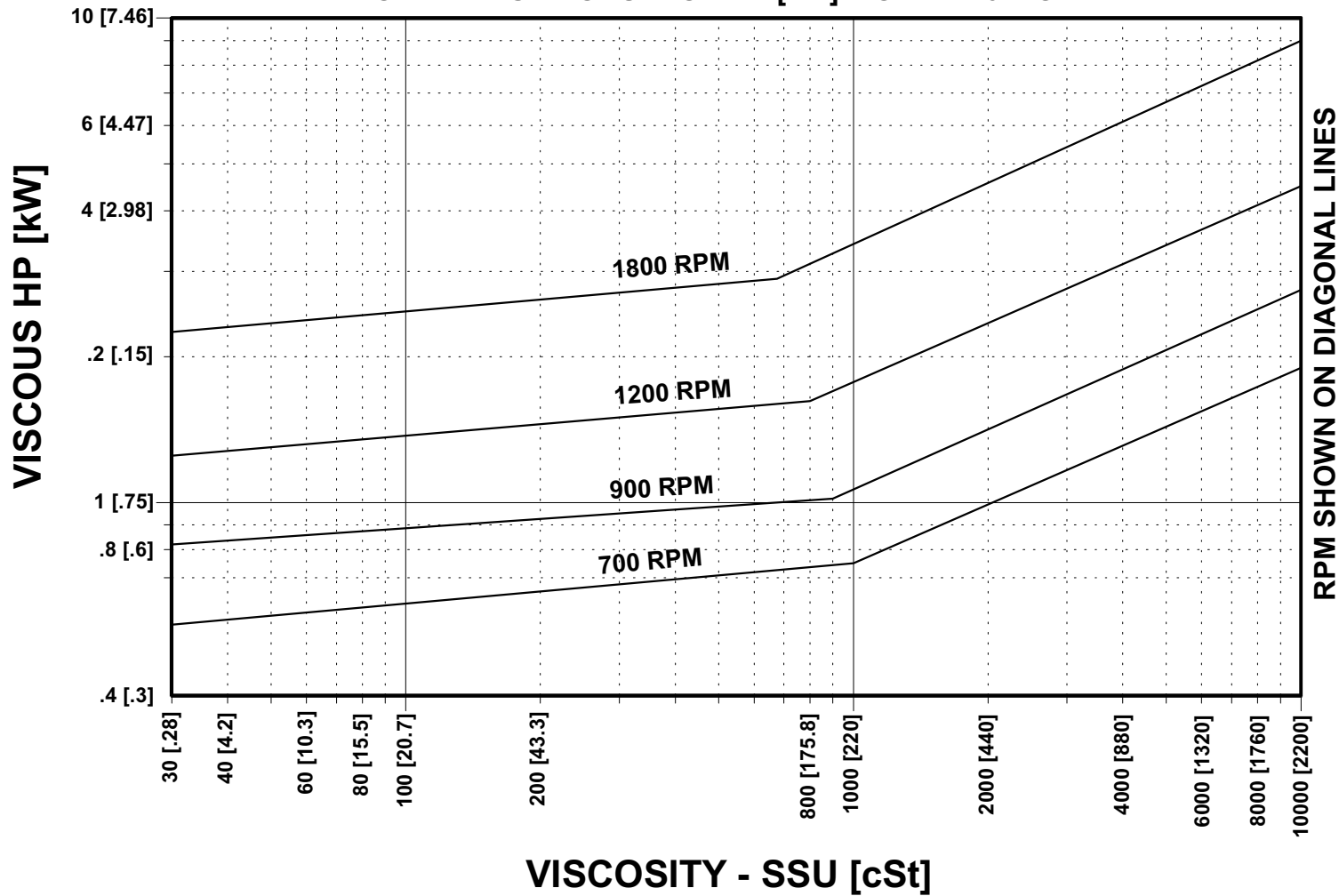
### INPUT HORSEPOWER

TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



# SERIES: A40 GRAPH 4 VISCIOUS HORSEPOWER

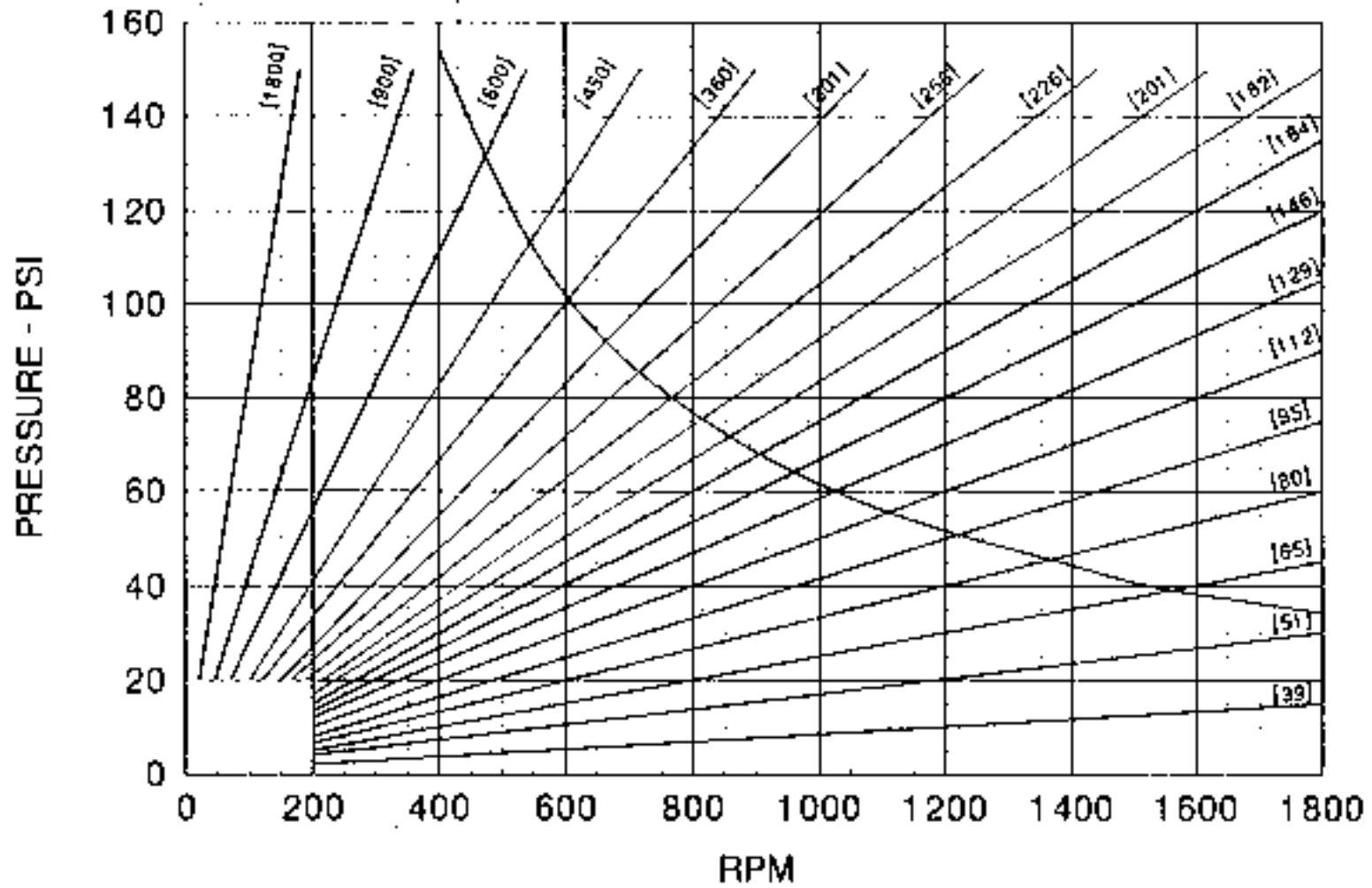
TOTAL INPUT HORSEPOWER [kW] = GRAPH 3 + GRAPH 4



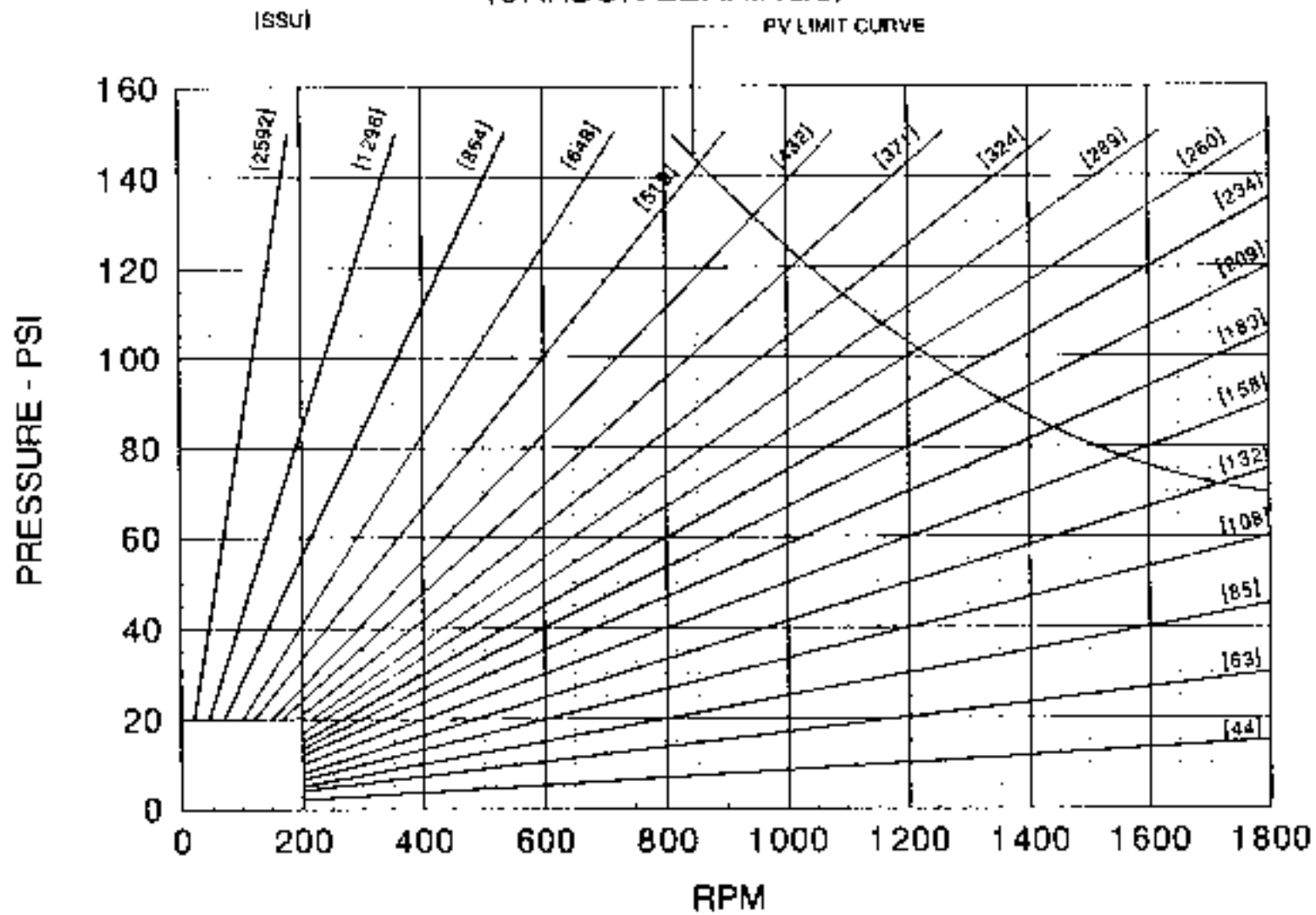
# A40 (BRONZE BEARINGS)

155U1

PV LIMIT CURVE



# A40 (CARBON BEARINGS)



# A40 (IRON BEARINGS)

